

KFI 1235 .A21
v. 15
no. 35
Illinois register
Received on: 09-04-91



1991

Illinois Register

Rules of Governmental Agencies

Volume 15, Issue 35 — August 30, 1991

Pages 12051-12962

Administrative Code Div.
288 Centennial Bldg.
Springfield, IL 62756
(217) 782-9786

published by
George H. Ryan
Secretary of State



Printed on recycled paper

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INTRODUCTION

The Illinois Register is the official state document for publishing public notice of rulemaking activity by State governmental agencies. The table of contents is arranged categorically by rulemaking activity and alphabetically by agency within each category. Rulemaking activity consists of proposed or adopted new rules or amendments to or repealers of existing rules, including those by emergency or peremptory action.

The *Register* also contains Executive Orders and Proclamations issued by the Governor, notices of public information required by State statute, and activities (meeting agendas, Statements of Objection or Recommendation, etc.) of the Joint Committee on Administrative Rules (JCAR), a legislative oversight committee which monitors the rulemaking activities of State agencies. In addition, the *Register* contains a Cumulative Index listing alphabetically by agency the Parts (sets of rules) on which rulemaking activity has occurred in the current *Register* volume and a Sections Affected Index listing, by Title of the *Illinois Administrative Code*, each Section (including supplementary material) of a Part on which rulemaking activity has occurred in the current volume. Both indices are action coded and are designed to aid the public in monitoring rules.

The *Register* will serve as the update to the *Illinois Administrative Code*, a compilation of the rules of State agencies. The most recent edition of the *Code* along with the *Register* comprise the most current accounting of the State agencies' rules.

The *Illinois Register* is the property of the State of Illinois, granted by the authority of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1985, ch. 127, pars. 1001 et seq., as amended).

REGISTER PUBLICATION SCHEDULE 1990

Material Rec'd after 4:30 p.m. on:	And before 4:30 p.m. on:	Will be in Issue #:	Published on:	Material Rec'd after 4:30 p.m. on:	And before 4:30 p.m. on:	Will be in Issue #:	Published on:
Dec. 19, 1989	Dec. 26, 1989	1	Jan. 5, 1990	June 26, 1990	July 3, 1990	28	July 13, 1990
Dec. 26, 1990	Jan. 2, 1990	2	Jan. 12, 1990	July 3, 1990	July 10, 1990	29	July 20, 1990
Jan. 2, 1990	Jan. 9, 1990	3	Jan. 19, 1990	July 10, 1990	July 17, 1990	30	July 27, 1990
Jan. 9, 1990	Jan. 16, 1990	4	Jan. 26, 1990	July 17, 1990	July 24, 1990	31	Aug. 3, 1990
Jan. 16, 1990	Jan. 23, 1990	5	Feb. 2, 1990	July 24, 1990	July 31, 1990	32	Aug. 10, 1990
Jan. 23, 1990	Jan. 30, 1990	6	Feb. 9, 1990	July 31, 1990	Aug. 7, 1990	33	Aug. 17, 1990
Jan. 30, 1990	Feb. 6, 1990	7	Feb. 16, 1990	Aug. 7, 1990	Aug. 14, 1990	34	Aug. 24, 1990
Feb. 6, 1990	Feb. 13, 1990	8	Feb. 23, 1990	Aug. 14, 1990	Aug. 21, 1990	35	Aug. 31, 1990
Feb. 13, 1990	Feb. 20, 1990	9	Mar. 2, 1990	Aug. 21, 1990	Aug. 28, 1990	36	Sept. 7, 1990
Feb. 20, 1990	Feb. 27, 1990	10	Mar. 9, 1990	Aug. 28, 1990	Sept. 4, 1990	37	Sept. 14, 1990
Feb. 27, 1990	Mar. 6, 1990	11	Mar. 16, 1990	Sept. 4, 1990	Sept. 11, 1990	38	Sept. 21, 1990
Mar. 6, 1990	Mar. 13, 1990	12	Mar. 23, 1990	Sept. 11, 1990	Sept. 18, 1990	39	Sept. 28, 1990
Mar. 13, 1990	Mar. 20, 1990	13	Mar. 30, 1990	Sept. 18, 1990	Sept. 25, 1990	40	Oct. 5, 1990
Mar. 20, 1990	Mar. 27, 1990	14	Apr. 6, 1990	Sept. 25, 1990	Oct. 2, 1990	41	Oct. 12, 1990
Mar. 27, 1990	Apr. 3, 1990	15	Apr. 13, 1990	Oct. 2, 1990	Oct. 9, 1990	42	Oct. 19, 1990
Apr. 3, 1990	Apr. 10, 1990	16	Apr. 20, 1990	Oct. 9, 1990	Oct. 16, 1990	43	Oct. 26, 1990
Apr. 10, 1990	Apr. 17, 1990	17	Apr. 27, 1990	Oct. 16, 1990	Oct. 23, 1990	44	Nov. 2, 1990
Apr. 17, 1990	Apr. 24, 1990	18	May 4, 1990	Oct. 23, 1990	Oct. 30, 1990	45	Nov. 9, 1990
Apr. 24, 1990	May 1, 1990	19	May 11, 1990	Oct. 30, 1990	Nov. 5, 1990	46	Nov. 16, 1990
May 1, 1990	May 8, 1990	20	May 18, 1990	Nov. 5, 1990	Nov. 13, 1990	47	Nov. 26, 1990 (Mon.)
May 8, 1990	May 15, 1990	21	May 25, 1990	Nov. 13, 1990	Nov. 20, 1990	48	Nov. 30, 1990
May 15, 1990	May 22, 1990	22	June 1, 1990	Nov. 20, 1990	Nov. 27, 1990	49	Dec. 7, 1990
May 22, 1990	May 29, 1990	23	June 8, 1990	Nov. 27, 1990	Dec. 4, 1990	50	Dec. 14, 1990
May 29, 1990	June 5, 1990	24	June 15, 1990	Dec. 4, 1990	Dec. 11, 1990	51	Dec. 21, 1990
June 5, 1990	June 12, 1990	25	June 22, 1990	Dec. 11, 1990	Dec. 18, 1990	52	Dec. 28, 1990
June 12, 1990	June 19, 1990	26	June 29, 1990	Dec. 18, 1990	Dec. 24, 1990	1	Jan. 4, 1991
June 19, 1990	June 26, 1990	27	July 6, 1990	Dec. 24, 1990	Dec. 31, 1990	2	Jan. 11, 1991

Please note: When the Register deadline falls on a State holiday, the deadline becomes 4:30 p.m. on Monday (the day before).

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

- 1) The Heading of the Part: Pay Plan
- 2) The Code Citation: 80 Ill. Adm. Code 310
- 3) Section Numbers:
- | | <u>Proposed Action:</u> |
|-----------------|-------------------------|
| 310.110 | Amended |
| 310.130 | Amended |
| 310.280 | Amended |
| 310.290 | Amended |
| 310. Appendix B | Amended |
- 4) Statutory Authority: Ill. Rev. Stat. 1987, ch. 127, par. 63b108a(2)
- 5) A Complete Description of the Subjects and Issues Involved:
- In Sections 310.110, 310.130, 310.290 and 310. Appendix B, the revisions to these sections are in reference to changing the dates to reflect the new fiscal year. In Sections 310.290 and 310. Appendix B, the rates are remaining the same for Fiscal Year 1992.
- In Section 310.280, Designated Rate, the positions of State Police Program Executive (annual salary \$67,889) for the Department of State Police and Technical Advisor V (annual salary \$75,000) for the Commission of Banks and Trust are being added as previously approved by the Governor to be subject to the Designated Rate section of the Pay Plan.
- 6) Will this proposed rule replace an emergency rule currently in effect?
- No
- 7) Does this rulemaking contain an automatic repeal date? Yes X No
- If "yes", please specify date:
- 8) Do these proposed amendments contain any incorporations by reference?
- No
- 9) Are there any proposed amendments pending to this part? Yes

<u>Section Numbers</u>	<u>Proposed Action</u>	<u>Ill. Reg. Citation</u>
310.100	Amended	15 Ill. Reg. 6364 (May 3, 1991)
310.230	Amended	15 Ill. Reg. 6364 (May 3, 1991)

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

- 310.490 Amended 15 Ill. Reg. 6364
(May 3, 1991)

10) Statement of Statewide Objectives:

These amendments to the Pay Plan pertain only to State employees subject to the Personnel Code and do not set out any guidelines that are to be followed by local or other jurisdictional bodies within the State.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking:

Within 45 days, comments should be written and addressed to:

Mr. Michael Murphy
Department of Central Management Services
Division of Technical Services
504 William G. Stratton Building
Springfield, Illinois 62706
Telephone: (217) 782-5601

12) Initial Regulatory Flexibility Analysis:

- A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs:

The Department of Central Management Services' Pay Plan does not affect private businesses. Amendments made to the Pay Plan are not subject to any guidelines or regulations of the Department of Commerce and Community Affairs.

- B) Types of small businesses affected:

None. The Department of Central Management Services' Pay Plan extends only to Personnel Code employees under the jurisdiction of the Governor.

- C) Reporting, bookkeeping or other procedures required for compliance:

None

- D) Types of professional skills necessary for compliance:

None

The full text of the proposed Rule(s) begins on the next page.

TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES

SUBTITLE B: PERSONNEL RULES, PAY PLANS, AND
POSITION CLASSIFICATIONS

CHAPTER I: DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

PART 310
PAY PLAN

SUBPART A: NARRATIVE

Section 310.20 Policy and Responsibilities
310.30 Jurisdiction
310.40 Pay Schedules
310.50 Definitions
310.60 Conversion of Base Salary to Pay Period Units
310.70 Conversion of Base Salary to Daily or Hourly Equivalents
310.80 Increases in Pay
310.90 Decreases in Pay
310.100 Other Pay Provisions
310.110 Implementation of Pay Plan Changes, Effective July 1, 1999

310.120 Interpretation and Application of Pay Plan
310.130 Effective Date
310.140 Reinstitution of Within Grade Salary Increases
310.150 Fiscal Year 1985 Pay Changes in Schedule of Salary Grades, effective July 1, 1984 (Repealed)

SUBPART B: SCHEDULE OF RATES

Section 310.205 Introduction
310.210 Prevailing Rate
310.220 Negotiated Rate
310.230 Part-Time Daily or Hourly Special Services Rate
310.240 Hourly Rate
310.250 Member, Patient and Inmate Rate
310.260 Trainee Rate
310.270 Legislated and Contracted Rate
310.280 Designated Rate
310.290 Out-of-State or Foreign Service Rate
310.300 Education Rate
310.310 Physician Specialist Rate
310.320 Annual Compensation Ranges for Executive Director and Assistant Executive Director, State Board of Elections
310.330 Excluded Classes Rate (Repealed)

SUBPART C: MERIT COMPENSATION SYSTEM

Section 310.410 Jurisdiction
310.420 Objectives
310.430 Responsibilities
310.440 Merit Compensation Salary Schedule
310.450 Procedures for Determining Annual Merit Increases
310.455 Intermittent Merit Increase
310.456 Merit Zone
310.460 Other Pay Increases
310.470 Adjustment
310.480 Decreases in Pay
310.490 Other Pay Provisions
310.500 Definitions
310.510 Conversion of Base Salary to Pay Period Units
310.520 Conversion of Base Salary to Daily or Hourly Equivalents
310.530 Implementation
310.540 Annual Merit Increase Guidechart for Fiscal Year 1992
310.550 Fiscal Year 1985 Pay Changes in Merit Compensation System, effective July 1, 1984 (Repealed)

APPENDIX A Negotiated Rates of Pay

TABLE A HR-190 (Department of Central Management Services - State of Illinois Building - SEIU)
TABLE B HR-200 (Department of Labor - Chicago, Illinois - SEIU)
TABLE C RC-069 (Firefighters, AFSCME)
TABLE D HR-001 (Teamsters Local #726)
TABLE E RC-020 (Teamsters Local #330)
TABLE F RC-019 (Teamsters Local #25)
TABLE G RC-045 (Automotive Mechanics, ISEA)
TABLE H RC-006 (Corrections Employees, AFSCME)
TABLE I RC-009 (Institutional Employees, AFSCME)
TABLE J RC-014 (Clerical Employees, AFSCME)
TABLE K RC-023 (Registered Nurses, INA)
TABLE L VR-004 (Illinois State Treasurer's Office Employees, Teamsters and IFT)
TABLE M RC-027 (Educators, AFSCME) (Repealed)
TABLE N RC-027 (Physician Rates, AFSCME) (Repealed)
TABLE O RC-028 (Paraprofessional Human Services Employees, AFSCME)
TABLE P RC-029 (Paraprofessional Investigatory and Law Enforcement Employees, ISEA)
TABLE Q RC-033 (Meat Inspectors, ISEA)
TABLE R RC-042 (Residual Maintenance Workers, AFSCME)
TABLE S HR-012 (Fair Employment Practices Employees, SEIU)
TABLE T HR-010 (Teachers of Deaf, IFT)

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

TABLE U	HR-010 (Teachers of Deaf, Extracurricular Paid Activities)
TABLE V	CU-500 (Corrections, Meet and Confer Employees)
TABLE W	RC-062 (Technical Employees, AFSOME)
TABLE X	RC-063 (Professional Employees, AFSOME)
TABLE Y	RC-063 (Educators, AFSOME)
TABLE Z	RC-063 (Physicians, AFSOME)
APPENDIX B	Schedule of Salary Grades - Monthly and Annual Rates of Pay for Fiscal Year 1991-1992
APPENDIX C	Physician Administrator Rates and Medical Facilities
APPENDIX D	Administrator Rates for Fiscal Year 1992
APPENDIX E	Merit Compensation System Salary Schedule for Fiscal Year 1992
APPENDIX F	Teaching Salary Schedule (Repealed)
	Physician and Physician Specialist Salary Schedule (Repealed)

AUTHORITY: Implementing and authorized by Section 8a(2) of the Personnel Code (Ill. Rev. Stat. 1989, ch. 127, par. 63b108a(2)).

SOURCE: Filed June 28, 1967; codified at 8 Ill. Reg. 1558; emergency amendment at 8 Ill. Reg. 1990, effective January 31, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 2440, effective February 15, 1984; emergency amendment at 8 Ill. Reg. 3348, effective March 5, 1984, for a maximum of 150 days; emergency amendment at 8 Ill. Reg. 4249, effective March 16, 1984, for a maximum of 150 days; emergency amendment at 8 Ill. Reg. 5704, effective April 16, 1984, for a maximum of 150 days; emergency amendment at 8 Ill. Reg. 7290, effective May 11, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 11299, effective June 25, 1984; emergency amendment at 8 Ill. Reg. 12616, effective July 1, 1984, for a maximum of 150 days; emergency amendment at 8 Ill. Reg. 15007, effective August 6, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 15367, effective August 13, 1984; emergency amendment at 8 Ill. Reg. 21310, effective October 10, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 21544, effective October 24, 1984; amended at 8 Ill. Reg. 22844, effective November 14, 1984; emergency amendment at 9 Ill. Reg. 1134, effective January 16, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 1320, effective January 23, 1985; amended at 9 Ill. Reg. 3681, effective March 12, 1985; emergency amendment at 9 Ill. Reg. 4163, effective March 15, 1985, for a maximum of 150 days; emergency amendment at 9 Ill. Reg. 9231, effective May 31, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 10663, effective July 1, 1985; emergency amendment at 9 Ill. Reg. 15043, effective September 24, 1985, for a maximum of 150 days; emergency amendment at 10 Ill. Reg. 3325, effective January 22, 1986; amended at 10 Ill. Reg. 3230, effective January 24, 1986; emergency amendment at 10 Ill. Reg. 8904, effective May 13, 1986, for a maximum of

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

150 days; emergency amendment at 10 Ill. Reg. 8928, effective May 13, 1986; emergency amendment at 10 Ill. Reg. 12090, effective June 30, 1986, for a maximum of 150 days; emergency amendment at 10 Ill. Reg. 13675, effective July 31, 1986; emergency amendment at 10 Ill. Reg. 14867, effective August 26, 1986; amended at 10 Ill. Reg. 15567, effective September 17, 1986; emergency amendment at 10 Ill. Reg. 17765, effective September 30, 1986, for a maximum of 150 days; emergency amendment at 10 Ill. Reg. 19132, effective October 28, 1986; emergency amendment at 10 Ill. Reg. 21097, effective December 9, 1986; amended at 11 Ill. Reg. 648, effective December 22, 1986; emergency amendment at 11 Ill. Reg. 3363, effective February 3, 1987; emergency amendment at 11 Ill. Reg. 4388, effective February 27, 1987; emergency amendment at 11 Ill. Reg. 6291, effective March 23, 1987; amended at 11 Ill. Reg. 5901, effective March 24, 1987; emergency amendment at 11 Ill. Reg. 8787, effective April 15, 1987, for a maximum of 150 days; emergency amendment at 11 Ill. Reg. 11830, effective July 1, 1987, for a maximum of 150 days; emergency amendment at 11 Ill. Reg. 13675, effective July 29, 1987; amended at 11 Ill. Reg. 14984, effective August 27, 1987; emergency amendment at 11 Ill. Reg. 15273, effective September 1, 1987; emergency amendment at 11 Ill. Reg. 17919, effective October 19, 1987; emergency amendment at 11 Ill. Reg. 19812, effective November 19, 1987; emergency amendment at 11 Ill. Reg. 20664, effective December 4, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 20778, effective December 11, 1987; emergency amendment at 12 Ill. Reg. 3811, effective January 27, 1988; emergency amendment at 12 Ill. Reg. 5459, effective March 3, 1988; amended at 12 Ill. Reg. 6073, effective March 21, 1988; emergency amendment at 12 Ill. Reg. 7783, effective April 14, 1988; emergency amendment at 12 Ill. Reg. 7734, effective April 15, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 8135, effective April 22, 1988; emergency amendment at 12 Ill. Reg. 9745, effective May 23, 1988; emergency amendment at 12 Ill. Reg. 11778, effective July 1, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 12895, effective July 18, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 13306, effective July 27, 1988; corrected at 12 Ill. Reg. 13359; amended at 12 Ill. Reg. 14630, effective September 6, 1988; amended at 12 Ill. Reg. 20449, effective November 28, 1988; emergency amendment at 12 Ill. Reg. 20584, effective November 28, 1988; emergency amendment at 13 Ill. Reg. 8080, effective May 10, 1989; amended at 13 Ill. Reg. 8849, effective May 30, 1989; emergency amendment at 13 Ill. Reg. 8970, effective June 26, 1989; emergency amendment at 13 Ill. Reg. 10967, effective June 20, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 11451, effective June 28, 1989; emergency amendment at 13 Ill. Reg. 11854, effective July 1, 1989, for a maximum of 150 days; corrected at 13 Ill. Reg. 12647; emergency amendment at 13 Ill. Reg. 12887, effective July 24, 1989; amended at 13 Ill. Reg. 16950, effective October 20, 1989; amended at 13 Ill. Reg. 19221, effective December 12, 1989;

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

amended at 14 Ill. Reg. 615, effective January 2, 1990; peremptory amendment at 14 Ill. Reg. 1627, effective January 11, 1990; amended at 14 Ill. Reg. 4455, effective March 12, 1990; peremptory amendment at 14 Ill. Reg. 7652, effective May 7, 1990; amended at 14 Ill. Reg. 10002, effective June 11, 1990; emergency amendment at 14 Ill. Reg. 11330, effective June 29, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 14361, effective August 24, 1990; emergency amendment at 14 Ill. Reg. 15570, effective September 11, 1990, for a maximum of 150 days; emergency amendment expired on February 8, 1991; corrected at 14 Ill. Reg. 16092; peremptory amendment at 14 Ill. Reg. 17098, effective September 26, 1990; amended at 14 Ill. Reg. 17189, effective October 2, 1990; amended at 14 Ill. Reg. 17189, effective October 19, 1990; amended at 14 Ill. Reg. 18719, effective November 13, 1990; peremptory amendment at 14 Ill. Reg. 18854, effective November 13, 1990; peremptory amendment at 15 Ill. Reg. 663, effective January 7, 1991; amended at 15 Ill. Reg. 3296, effective February 14, 1991; amended at 15 Ill. Reg. 4401, effective March 11, 1991; peremptory amendment at 15 Ill. Reg. 5100, effective March 20, 1991; peremptory amendment at 15 Ill. Reg. 5465, effective April 2, 1991; emergency amendment at 15 Ill. Reg. 10485, effective July 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 11080, effective July 19, 1991; amended at 15 Ill. Reg. _____, effective _____, 1991.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Section 310.110 Implementation of Pay Plan Changes, Effective July 1, 1990 1991

Effective July 1, 1990 1991, the rates of pay for all employees occupying positions subject to the Schedule of Salary Grades shall be as set out in Appendix B, Schedule of Salary Grades -- Monthly and Annual Rates of Pay for Fiscal Year 1991 1992.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 310.130 Effective Date

The effective date of this Pay Plan Narrative (Subpart A), Schedule of Rates (Subpart B), and Schedule of Salary Grades (Appendix B), shall be July 1, 1990 1991.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 310.280 Designated Rate

The rate of pay for a specific position or class of positions where it is deemed desirable to exclude such from the other requirements of this Pay Plan shall be only as designated by the Governor.

Banks and Trust Commission

Technical Advisor IV

(Pos. No. 45254-50-92-300-00-01)

Annual Salary
50,000

Technical Advisor V

(Pos. No. 45255-50-92-400-00-01)

Annual Salary
75,000

Department of Central Management Services

Executive Press Photographer

(Pos. No. 14000-37-05-000-00-36)

Annual Salary
31,896

Information System Specialist II

(Pos. No. 21212-37-10-000-09-08)

Annual Salary
53,172

Department of Commerce & Community Affairs

Commerce & Community Affairs Program Executive

(Pos. No. 08400-42-30-000-00-01)

Annual Salary
70,680

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Commerce & Community Affairs Program Executive
(Pos. No. 08400-42-40-000-00-01)

Annual Salary
71,184

Executive V
(Pos. No. 13855-42-40-500-00-01)

Annual Salary
66,612

Department of Conservation

Administrative Assistant IV
(Pos. No. 00504-12-00-000-40-02)

Annual Salary
60,000

Executive III
(Pos. No. 13853-12-31-600-00-01)

Annual Salary
54,024

Executive V
(Pos. No. 13855-12-33-000-00-01)

Annual Salary
67,200

Health Care Cost Containment Council

Executive V
(Pos. No. 13855-50-72-000-00-01)

Annual Salary
64,644

Illinois Arts Council

Executive Director of the Illinois Arts Council
(Pos. No. 13868-50-90-000-00-01)

Annual Salary
55,000

Department of Insurance

Deputy Director
(Pos. No. 12200-14-00-000-00-01)

Annual Salary
72,600

Insurance Program Executive
(Pos. No. 21676-14-30-000-00-01)

Annual Salary
77,760

Department of Mental Health and Development Disabilities

Pharmacy Services Manager
(Pos. No. 32015-22-59-914-10-01)

Annual Salary
45,000

Physician Administrator II
(Pos. No. 32212-22-15-600-00-01)

Annual Salary
90,000

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Department of Public Aid

Public Aid Program Executive II
(Pos. No. 35889-33-00-000-00-51)

Annual Salary
70,008

Department of State Police

Deputy Director
(Pos. No. 12200-21-00-000-00-01)

Annual Salary
62,769

Executive V
(Pos. No. 13855-21-00-000-40-01)

Annual Salary
55,615

State Police Program Executive
(Pos. No. 42250-21-10-000-00-01)

Annual Salary
67,889

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 310.290 Out-of-State or Foreign Service Rate

The rate of pay for employees occupying positions which require payment in accordance with the economic conditions and social legislation of another state or foreign country. An adjustment may be made to the salary of an employee stationed in a foreign country to compensate for a change in the currency exchange rate. The Director of the Department of Central Management Services will, before approving an adjustment, consider the need of the employing agency, the treatment of other similar situations, prevailing practices of other employers, and the equity of the particular circumstances.

Title	Range Effective Fiscal Year 1991 1992
Foreign Service Economic Development Executive I	2634 - 4561
Foreign Service Economic Development Executive II	3415 - 5998
Foreign Service Economic Development Representative	2268 - 3793
Office Assistant (Foreign Service)	1566 - 1934
Office Associate (OO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, IN, TX and WI) (CA, NJ)	1676 - 2101 1894 - 2375

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Office Coordinator (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	1739 - 2191 1966 - 2477
Revenue Audit Supervisor (OH, TX) (CA, NJ)	2997 - 5284 3388 - 5974
Revenue Auditor I (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	2369 - 3099 2678 - 3504
Revenue Auditor II (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	2620 - 3447 2961 - 3896
Revenue Auditor III (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	2919 - 3874 3299 - 4897
Revenue Auditor Trainee (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	1975 - 2527 2232 - 2856
Revenue Assistant Audit Field Manager (OH, TX) (CA, NJ)	3182 - 5655 3597 - 6392
Revenue Field Audit Manager (NJ)	3840 - 6839
Tax Examiner (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	1739 - 2191 1966 - 2477
Tax Examiner Trainee (CO, GA, IN, IA, KY, MI, MN, MO, NE, NC, OH, TN, TX and WI) (CA, NJ)	1566 - 1934 1771 - 2187

(Source: Amended at 15 Ill. Reg. _____, effective _____)

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Section 310. Appendix B Schedule of Salary Grades -- Monthly and Annual Rates of Pay for Fiscal Year 1991 1992

Grade	Minimum Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Maximum Step 7
1	1,170 14,040	1,206 14,472	1,239 14,868	1,274 15,288	1,315 15,780	1,349 16,188	1,413 16,956
2	1,206 14,472	1,239 14,868	1,274 15,288	1,317 15,804	1,354 16,248	1,391 16,692	1,457 17,484
3	1,239 14,868	1,274 15,288	1,318 15,816	1,357 16,284	1,395 16,740	1,436 17,232	1,509 18,108
4	1,274 15,288	1,318 15,816	1,360 16,320	1,399 16,788	1,445 17,340	1,486 17,832	1,562 18,744
5	1,318 15,816	1,362 16,344	1,407 16,884	1,452 17,424	1,495 17,940	1,539 18,468	1,616 19,392
6	1,362 16,344	1,408 16,896	1,454 17,448	1,502 18,024	1,550 18,600	1,600 19,200	1,682 20,184
7	1,408 16,896	1,457 17,484	1,507 18,084	1,559 18,708	1,610 19,320	1,663 19,956	1,752 21,024
8	1,457 17,484	1,512 18,144	1,566 18,792	1,625 19,500	1,678 20,136	1,735 20,820	1,827 21,924
9	1,512 18,144	1,569 18,828	1,630 19,560	1,688 20,256	1,751 21,012	1,812 21,744	1,905 22,860
10	1,571 18,852	1,638 19,656	1,698 20,376	1,763 21,156	1,825 21,900	1,891 22,692	1,995 23,940
11	1,639 19,668	1,708 20,496	1,771 21,252	1,843 22,116	1,911 22,932	1,977 23,724	2,087 25,044
12	1,717 20,604	1,789 21,468	1,858 22,296	1,934 23,208	2,005 24,060	2,080 24,960	2,197 26,364
13	1,791 21,492	1,867 22,404	1,947 23,364	2,025 24,300	2,103 25,236	2,183 26,196	2,307 27,684
14	1,878 22,536	1,960 23,520	2,042 24,504	2,133 25,596	2,215 26,580	2,300 27,600	2,433 29,196

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

15	1,961	2,053	2,141	2,229	2,321	2,408	2,551
	23,532	24,636	25,692	26,748	27,852	28,896	30,612
16	2,060	2,156	2,255	2,348	2,446	2,544	2,695
	24,720	25,872	27,060	28,176	29,352	30,528	32,340
17	2,162	2,265	2,370	2,469	2,570	2,674	2,834
	25,944	27,180	28,440	29,628	30,840	32,088	34,008
18	2,278	2,389	2,500	2,613	2,721	2,829	2,997
	27,336	28,668	30,000	31,356	32,652	33,948	35,964
19	2,402	2,524	2,643	2,764	2,881	3,002	3,184
	28,824	30,288	31,716	33,168	34,572	36,024	38,208
20	2,538	2,665	2,790	2,923	3,049	3,174	3,369
	30,456	31,980	33,480	35,076	36,588	38,088	40,428
21	2,680	2,818	2,954	3,091	3,232	3,366	3,576
	32,160	33,816	35,448	37,092	38,784	40,392	42,912
22	2,833	2,980	3,127	3,273	3,424	3,568	3,789
	33,996	35,760	37,524	39,276	41,088	42,816	45,468
23	3,005	3,165	3,326	3,484	3,644	3,803	4,042
	36,060	37,980	39,912	41,808	43,728	45,636	48,504

(Source: Amended at 15 Ill. Reg. _____, effective _____)

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of Part: State of Illinois Dependent Care Assistance Plan
- 2) Code Citation: 80 Ill. Adm. Code 2110
- 3) Section Numbers:
 2110.30
 2110.210
 2110.440
 2110.520
 2110.610
Proposed Action:
 Amendment
 Amendment
 Amendment
 Amendment
- 4) Statutory Authority: Implementing Sections 125 and 129(d) of the Internal Revenue Code (26 U.S.C. 125 and 129(d)), Section 63b5 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 63b5), Section 30c of "AN ACT in relation to State finance" (Ill. Rev. Stat. 1989, ch. 127, par. 166c), and Sections 3 and 9 of the State Employees Group Insurance Act of 1971 (Ill. Rev. Stat. 1989, ch. 127, pars. 523 and 529) and authorized by Section 16 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 16).
- 5) A Complete Description of the Subjects and Issues Involved:
 The changes needed result from administrative clarification.
- 6) Will these proposed amendments replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date: Yes ☒ No
- 8) Do these proposed amendments contain incorporations by reference? No
- 9) Are there any other amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a state mandate as defined in Section 3 (b) of the State Mandates Act (Ill. Rev. Stat. 1989, ch. 85, par. 2203).
- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking:

Comments on this proposed rulemaking may be submitted in writing for a period of 45 days following publication on this notice. Comments should be submitted to:

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Lynn Calame, Manager
Bureau of Benefits
Illinois Department of Central Management Services
618 Stratton Office Building
Springfield, Illinois 62706
217-785-8675

The Department will consider fully all written comments on this proposed rulemaking submitted during the 45-day comment period.

- 12) Initial Regulatory Flexibility Analysis: The Department has determined that the proposed amendments will not have an affect upon small businesses.

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES
SUBTITLE F: EMPLOYEE BENEFITS

CHAPTER 1: DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

PART 2110

STATE OF ILLINOIS DEPENDENT CARE ASSISTANCE PLAN

SUBPART A: INTRODUCTION AND DEFINITIONS

Section
2110.10 Summary and Purpose of Plan
2110.20 Plan Number
2110.30 Definitions

SUBPART B: ADMINISTRATION

Section
2110.110 Role of the Department
2110.120 Expenses of Administration

SUBPART C: PARTICIPATION

Section
2110.210 Date of Participation
2110.220 Insufficient Salary
2110.230 Errors
2110.240 Reinstatement of Former Participant (Repealed)

SUBPART D: ELECTION TO RECEIVE DEPENDENT CARE ASSISTANCE

Section
2110.310 Election Procedure
2110.320 Irrevocability of Election
2110.330 Maximum Dependent Care Assistance
2110.340 Minimum Dependent Care Assistance

SUBPART E: DEPENDENT CARE ASSISTANCE ACCOUNTS

Section
2110.410 Establishment of Accounts
2110.420 Crediting of Accounts
2110.430 Debiting of Accounts
2110.440 Forfeiture of Accounts

SUBPART F: PAYMENT OF DEPENDENT CARE ASSISTANCE ACCOUNTS

Section
2110.510 Claims for Reimbursement
2110.520 Reimbursement of Participant
2110.530 Exclusions
2110.540 Statements

SUBPART G: TERMINATION OF PARTICIPATION

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Section

2110.610 Termination or Death of Participant
2110.620 Fraud

SUBPART H: MISCELLANEOUS

Section

2110.710 Non-discrimination
2110.720 Illegality of Particular Provision
2110.730 Applicable Law
2110.740 Rights Against the Employer
2110.750 Effect on Pension
2110.760 Effect on Social Security
2110.770 Benefits Solely From General Assets
2110.780 Nonassignability of Rights
2110.790 Tax Consequences
2110.800 Indemnification of State by Participants
2110.810 Right to Amend and Terminate Reserved

AUTHORITY: Implementing Sections 125 and 129(d) of the Internal Revenue Code (26 U.S.C. 125 and 129(d)), Section 63b5 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 63b5), Section 30c of "AN ACT in relation to State finance" (Ill. Rev. Stat. 1989, ch. 127, par. 166c), and Sections 3 and 9 of the State Employees Group Insurance Act of 1971 (Ill. Rev. Stat. 1989, ch. 127, pars. 523 and 529) and authorized by Section 16 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 16).

SOURCE: Emergency rules adopted at 10 Ill. Reg. 20248, effective December 1, 1986, for a maximum of 150 days; adopted at 11 Ill. Reg. 9477, effective April 30, 1987; emergency amendments at 12 Ill. Reg. 11795, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 17283, effective October 14, 1988; emergency amendments at 13 Ill. Reg. 214, effective January 1, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 9259, effective May 31, 1989, amended at 13 Ill. Reg. 9259, effective May 31, 1989.; amended at ___ Ill. Reg. ___, effective _____

Section 2110.30 Definitions

- a) Wherever used in the Plan, the following terms have the following meanings and when the defined meaning is intended, the term is capitalized:

"Change in Family Status" means marriage, divorce, death of Spouse or child, birth or adoption of child, termination of employment of Spouse, or any other events which the Department determines constitute a Change in Family Status.

"Code" means the Internal Revenue Code of 1954, (26 U.S.C. 1 et seq. (1985) and applicable regulations, or any successor statute.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

"Compensation" means wages, salaries and other Employee Compensation received by a Participant or Spouse, including the net earnings from self-employment within the meaning of Section 1402(a) of the Code.

"Department" means the Illinois Department of Central Management Services.

"Dependent Care Expenses" mean expenses incurred by a Participant which:

are incurred for the well-being and protection of a Dependent of the Participant,
are paid to a Dependent Care Service Provider, and
are incurred to enable the Participant and his or her Spouse to be gainfully employed.

They may be for household services if part of the services are for the care of the Dependent.

Dependent Care Expenses do not include expenses paid or incurred for services provided by:

a child of the Participant who is under the age of 19 at the close of the Plan Year; or

an individual who the Participant or Spouse can claim as an exemption on his or her income tax form.

Examples of eligible expenses are:

Day care centers. Such centers must comply with all applicable laws and regulations of a State or unit of local government.

Nursery schools and pre-schools (private of public).

Before and after-school care.

Babysitters or nurses or grandparents or any other Dependent Care Service Providers inside or outside the Participant's home.

Household services. The services of a housekeeper, maid, or cook are eligible expenses if performed partly for the benefit of the Dependent.

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Work-related expenses. Any work-related expenses which allow the Participant (and Spouse, if married) to work. Examples are meals and lodging for a housekeeper and Social Security and Federal unemployment taxes paid on wages.

Examples of expenses that are not eligible are:

The cost of schooling in the first grade or higher.

Chauffeur or gardener services.

Expenses claimed on the Participant's income tax return or by another taxpayer.

Transportation related to dependent care services.

Summer camp and special instruction, i.e., dance, music, art and swimming lessons, are examples of expenses which are not eligible for Reimbursement.

Other examples of those expenses which are not eligible are those not allowed by the Internal Revenue Service for the child and dependent care credit on an income tax return.

"Dependent Care Service Provider" means a person or institution which provides care or other services described in the definition of Dependent Care Expenses above.

"Dependents" are classified as children under age 13 whom the Participant is entitled to claim as an exemption on his or her income tax form or older persons (including Spouses) who require care while the Participant or Spouse work. To qualify for the dependent care Reimbursement for persons over age 13, the following must apply:

Dependent must spend eight or more hours a day in the Participant's home.

Dependent must be physically or mentally incapable of being left alone.

Dependent could be claimed as a dependent on Participant's income tax return except that the person has gross income of \$1,900 or more.

A non-custodial parent who receives an income tax exemption under 151(e) of the Code cannot claim that child as a

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

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Dependent for purposes of this Plan.

"Effective Date" means any paycheck issued after January-1 July 1 of the Plan Year.

"Employee" means an Employee of the Employer excluding independent contractors, temporary employees, and retirees who return to work for not longer than 75 days per year after they retire.

"Employer" means the State of Illinois, which includes all officers, boards, commissions, and agencies created by the Illinois Constitution, whether in the executive, legislative or judicial branch, all officers, departments, boards, commissions, agencies, institutions, authorities, universities, bodies politic and corporate of the State; and administrative units or corporate outgrowths of the State government which are created by or pursuant to statute other than units of local government and their officers, school districts and boards of election commissioners, and all administrative units and corporate outgrowths of the above as may be created by executive order of the Governor.

"Enrollment Form" means the form provided by the Department for the purpose of filing an election and Compensation reduction agreement and for making changes authorized by the Plan.

"Highly Compensated Participant" means any Participant who was in either of the following categories at any time during the current year:

an officer of the State or its administrative units or corporate outgrowths who has annual total Compensation greater than \$75,000, or
who receives Compensation in excess of \$50,000 and is in the top 20% of all State Employee salaries.

"Participant" means each Employee who participates in the Plan in accordance with Section 2110.210 of this Part.

"Pay Period" means a regular accounting period established by the State of Illinois for measuring and paying Compensation earned by Employees. A Pay Period may be monthly, semi-monthly or biweekly.

"Plan" means the State of Illinois Dependent Care Assistance Plan as set forth in these rules, and as may be amended from

NOTICE OF PROPOSED AMENDMENTS

- 1) only to reimburse the Participant for Dependent Care Expenses incurred during such Plan Year, and
- 2) only if the Participant applies for Reimbursement on or before September 30 of the next Plan Year.
- b) If any balance remains in the Participant's dependent care assistance account for any Plan Year after all Reimbursements hereunder, such balance shall not be carried over to reimburse the Participant for Dependent Care Expenses incurred during a subsequent Plan Year, and shall not be available to the Participant in any other form or manner.
- c) Such balance shall be:
 - 1) distributed to all the next year's Plan Participants of record as of September 30 equally as additional Compensation unless
 - 2) such balance is less than \$5 \$25 times the number of Participants in which case the balance will be transferred to the General Revenue Fund.
- d) Such distribution to all Plan Participants shall be before December 31.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2110.520 Reimbursement of Participant

- a) The Department shall reimburse the Participant from the Participant's dependent care assistance account for Dependent Care Expenses incurred during the Plan Year for which the Participant submits documentation in accordance with Section 2110.510 of this Part.
- b) The Reimbursement schedule will be established by the Department in a manner that allows the Participant to receive Reimbursement no less than once a month.
- c) No Reimbursement under this Section shall at any time exceed the balance of the Participant's dependent care assistance account for the Plan Year at the time of Reimbursement.
- 1) The Participant will be notified of any amount of any Dependent Care Expenses not reimbursed as a result of the preceding sentence.
- 2) The Participant must submit a new claim to receive Reimbursement of the amount not previously reimbursed.
- d) The Department will reimburse Participants who have filed claims in

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time to time in compliance with the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1987, ch. 127, pars. 1001 et seq.).

"Plan Year" means the 12-consecutive-month period comprising the State fiscal year beginning July 1.

"Reimbursement" means to pay a Participant in this Plan for Dependent Care Expenses from his or her dependent care assistance account.

"Spouse" means the person to whom the Participant is married. Spouse does not include a person separated from the Participant under a decree of divorce or separate maintenance.

"Termination" means the permanent severance of the Participant's employment relationship with the Employer as provided by the appropriate rules of the Employer.

- b) A pronoun or adjective in the masculine gender includes the feminine gender and the singular includes the plural, unless the context clearly indicates otherwise.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2110.210 Date of Participation

- a) Each Employee will be eligible to participate in the Plan. Such an individual will become a Participant upon an election under this Plan to receive dependent care assistance.
- b) New Employees may become Participants upon an election to receive dependent care assistance which is made within 30 60 days of becoming an employee.
- c) Employees who experience a Change in Family Status may elect to participate at any time during the Plan Year. Such election must be made within 30 60 days of change.
- d) Elections from new employees or those who have had a Change in Family Status will be effective the first Pay Period after the Enrollment Form is completed and processed by the Department.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2110.440 Forfeiture of Accounts

- a) The amount credited to a Participant's dependent care assistance account for any Plan Year shall be used:

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the prescribed manner;

- 1) at least once a month if the claim equals or exceeds \$50 \$20, and if there is enough money in the account,
- 2) at least once the twelfth month (or the final month of an Employee's participation) regardless of the amount.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2110.610 Termination or Death of Participant

- a) In the event that a Participant terminates State service or dies, the Participant's participation shall terminate. Eligible expenses will include only those expenses incurred through the date of the last pay period in which deductions were made.

- b) ~~The Department will pay any remaining balance to the Participant (or his or her estate) in a lump sum as additional taxable compensation.~~

- c) b) If the Participant returns to State service the same Plan Year, the Participant can re-enroll in accordance with provisions of Section 2120.210 of this Part.

(Source: Amended at Ill. Reg. _____, effective _____)

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- 1) Heading of Part: State of Illinois Medical Care Assistance Plan

- 2) Code Citation: 80 Ill. Adm. Code 2120

- 3) Section Numbers:

2120.30	<u>Proposed Action</u>
2120.210	Amendment
2120.220	Amendment
2120.310	Amendment
2120.440	Amendment
2120.510	Amendment
2120.520	Amendment
2120.610	Amendment

- 4) Statutory Authority: Implementing Sections 105(h), 125, and 213(d) of the Internal Revenue Code (26 U.S.C. 105 (h), 125, and 213(d)), Section 63b5 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 635b5), Section 30c of "AN ACT in relation to State finance" (Ill. Rev. Stat. 1989, ch. 127, par. 166c), and Sections 3 and 9 of the State Employees Group Insurance Act of 1971 (Ill. Rev. Stat. 1989, ch. 127, pars. 523 and 529) and authorized by Section 16 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 16).

- 5) A Complete Description of the Subjects and Issues Involved:

~~The~~ changes needed result from a change in the Internal Revenue Code, the expansion of Plan benefits, and reduction of administrative burden.

- 6) Will these proposed amendments replace an emergency rule currently in effect? No

- 7) Does this rulemaking contain an automatic repeal date: Yes ☒ No

- 8) Do these proposed amendments contain incorporations by reference? No

- 9) Are there any other amendments pending on this Part? No

- 10) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a state mandate as defined in Section 3 (b) of the State Mandates Act (Ill. Rev. Stat. 1989, ch. 85, par. 2203).

- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking:

Comments on this proposed rulemaking may be submitted in writing for a period of 45 days following publication on this notice. Comments should be submitted to:

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

Lynn Calame, Manager
Bureau of Benefits
Central Management Services
618 Stratton Building
Springfield, Illinois 62706
217-785-8675

The Department will consider fully all written comments on this proposed rulemaking submitted during the 45-day comment period.

- 12) Initial Regulatory Flexibility Analysis: The Department has determined that the proposed amendments will not have an affect upon small business.

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

TITLE 80: PUBLIC OFFICIALS AND EMPLOYEES
SUBTITLE F: EMPLOYEE BENEFITS
CHAPTER 1: DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

PART 2120

STATE OF ILLINOIS MEDICAL CARE ASSISTANCE PLAN

SUBPART A: INTRODUCTION AND DEFINITIONS

Section
2120.110 Summary and Purpose of Plan
2120.20 Plan Number
2120.30 Definitions

SUBPART B: ADMINISTRATION

Section
2120.110 Role of the Department
2120.120 Expenses of Administration

SUBPART C: PARTICIPATION

Section
2120.210 Date of Participation
2120.220 Insufficient Salary
2120.230 Errors

SUBPART D: ELECTION TO RECEIVE MEDICAL CARE ASSISTANCE

Section
2120.310 Election Procedure
2120.320 Irrevocability of Election
2120.330 Maximum Medical Care Assistance
2120.340 Minimum Medical Care Assistance

SUBPART E: MEDICAL CARE ASSISTANCE ACCOUNTS

Section
2120.410 Establishment of Accounts
2120.420 Crediting of Accounts
2120.430 Debiting of Accounts
2120.440 Forfeiture of Accounts

SUBPART F: PAYMENT OF MEDICAL CARE ASSISTANCE ACCOUNTS

Section
2120.510 Claims for Reimbursement
2120.520 Reimbursement of Participant
2120.530 Exclusions
2120.540 Statements

DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

NOTICE OF PROPOSED AMENDMENTS

SUBPART G: TERMINATION OF PARTICIPATION

Section

2120.610 Termination or Death of Participant
2120.620 Fraud

SUBPART H: MISCELLANEOUS

Section

2120.710 Non-discrimination
2120.720 Illegality of Particular Provision
2120.730 Applicable Law
2120.740 Effect on Pension
2120.750 Effect on Social Security
2120.760 Benefits Solely From General Assets
2120.770 Nonassignability of Rights
2120.780 Tax Consequences
2120.790 Indemnification of State by Participants
2120.800 Right to Amend and Terminate Reserved

AUTHORITY: Implementing Sections 105(h), 125, and 213(d) of the Internal Revenue Code (26 U.S.C. 105 (h), 125, and 213(d)), Section 63b5 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 635b5), Section 30c of "AN ACT in relation to State finance" (Ill. Rev. Stat. 1989, ch. 127, par. 166c), and Sections 3 and 9 of the State Employees Group Insurance Act of 1971 (Ill. Rev. Stat. 1989, ch. 127, pars. 523 and 529) and authorized by Section 16 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1989, ch. 127, par. 16).

SOURCE: Emergency rules adopted at 12 Ill. Reg. 11810, effective July 1, 1988, for a maximum of 150 days; adopted at 12 Ill. Reg. 17296, effective October 17, 1988; amended at 14 Ill. Reg. 18998, effective November 14, 1990; amended at ___ Ill. Reg. ___, effective _____

Section 2120.30 Definitions

- a) Wherever used in the Plan, the following terms have the following meanings and when the defined meaning is intended, the term is capitalized:

"Change in Family Status" means marriage, divorce death of Spouse or dependent, birth or adoption of child, commencement or termination of employment of Spouse, significant change in cost or benefits coverage of the Participant or Spouse due to the Spouse's employment, switch from full-time to part-time status of Spouse, or from part-time to full-time, or unpaid leave of absence of Participant or Spouse, or any other events which the Department determines constitute a Change in Family Status.

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"Code" means the Internal Revenue Code of 1954 (26 U.S.C. 1 et seq. (1985)) and applicable regulations, or any successor statute.

"Compensation" for purposes of this Plan is defined under Code Section 414. It means wages, salaries and other Employee Compensation received by a Participant as reported on the Participant's W-2 from this Employer. For purposes of discrimination testing, it may include or exclude all amounts not currently includible in the Participant's gross income.

"Department" means the Illinois Department of Central Management Services.

"Dependent" means a Participant's spouse, unmarried child, or other person as defined in the State Employees Group Insurance Act of 1971 as amended (Ill. Rev. Stat. 1989, ch. 127, par. 521 et seq.) within the meaning of Internal Revenue Code Sections 152 and 213(d)(5).

"Discriminatory Excess" is the excess of any "Highly Compensated Participant" over the highest permitted benefit.

"Effective Date" means any paycheck issued after July 1 of the Plan Year.

"Eligible Employee" means any Employee working full-time or not less than half-time who is eligible to participate in the Health Plan authorized by the State Employees Group Insurance Act of 1971 as amended. It includes those Employees who have lost eligibility to participate in the Health Plan because of a reduction in hours worked but chosen continuation coverage through payroll deduction as authorized by the Consolidated Omnibus Budget Reconciliation Act (COBRA) (P.L. 99-272) as long as there is no break in coverage or payroll deductions. An Eligible Employee of the Employer excludes independent contractors, temporary employees, and retirees who return to work for not longer than 75 days per year after they retire.

"Employee" means an Employee of the Employer excluding independent contractors, temporary employees, and retirees who return to work for not longer than 75 days per year after they retire.

"Employer" means the State of Illinois, which includes all officers, boards, commissions, and agencies created by the Illinois Constitution, whether in the executive, legislative or judicial branch, all officers, departments, boards, commissions, agencies, institutions, authorities, universities, bodies politic and corporate outgrowths of the State government which

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NOTICE OF PROPOSED AMENDMENTS

are created by or pursuant to statute other than units of local government and their officers, school districts and boards of election commissioners, and all administrative units and corporate outgrowths of the above as may be created by executive order of the Governor.

"Enrollment Form" means the form provided by the Department for the purpose of filing an election and Compensation reduction agreement and for making changes authorized by the Plan.

"Highly Compensated Participant" means any Participant who was in either the following categories at any time during the current Plan Year:

an Employee of the State or its administrative units or corporate outgrowths who has annual total Compensation greater than \$75,000 or any other amount established by the Internal Revenue Service, or

who receives Compensation in excess of \$50,000 or any other amount established by the Internal Revenue Service and is in the top 20% of all State Employee salaries.

"Medical Care Expense" means any expense incurred by a Participant or Dependent of the Participant which was paid toward a reinsurance or deductible assessed toward a service covered under the Health Plan authorized by the State Employees Group Insurance Act of 1971 as amended (Ill. Rev. Stat. 1989, ch. 127, par. 521 et seq.) or which was paid for certain other services for a medical service expense eligible under Internal Revenue Code Section 213(d).

The eligible medical expenses include:

expenses incurred as a result of assessment of a deductible or coinsurance requirement on services covered by the self-insured State Quality Care Health Plan or a Health Maintenance Organization (HMO) with which the Department contracts; and

dental services not covered under the State Health Plan; and

amounts paid for annual physicals; and

amounts paid for periodic physicals, vaccinations; and immunizations for babies up to three years of age; and

expenses allowed in Code Section 213 unless otherwise provided in this Part.

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Expenses that result in a double deduction for tax purposes are not eligible are. For example,

Abortions; and

Weight loss clinic fees; and

Non-prescribed drugs; and

Prepayment for medical services that will be reimbursed or refunded; and

Premiums for health insurance coverage carried by a the employee, spouse or dependent; and

Premiums for other health coverage carried by the Participant; and .

Medical Care Expenses for smoking cessation programs and other expenses specifically disallowed by Code Section 213 or a court of law.

"Participant" means each Employee who participates in the Plan in accordance with Section 2120.210 of this Part.

"Pay Period" means a regular accounting period established by the State of Illinois for measuring and paying Compensation earned by Employees. A Pay Period may be monthly, semi-monthly or biweekly.

"Plan" means the State of Illinois Medical Care Assistance Plan as set forth in these rules, and as may be amended from time to time in compliance with the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1989, Ch. 127, pars. 1001 et seq.).

"Plan Year" means the 12-consecutive-month period comprising the State fiscal year.

"Reimbursement" means to pay a Participant in this Plan for Medical Care Expenses from his or her medical care assistance account.

"Spouse" means the person to whom the Participant is married. Spouse does not include a person separated from the Participant under a decree of divorce or separate maintenance.

"State Employees Group Health Plan" means the Health Plan administered by the Department as authorized in the State Employees Group Insurance Act of 1971 as amended.

"Termination" means the permanent severance of the Participant's

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employment relationship with the Employer as provided by the appropriate rules of the Employer.

- b) a pronoun or adjective in the masculine gender includes the feminine gender and the singular includes the plural, unless the context clearly indicates otherwise.

(Source: Amended at __ Ill. Reg. ____, effective ____)

Section 2120.210 Date of Participation

- a) An Eligible Employee will become a Participant upon an election under this Plan to receive medical care assistance.
- b) New Eligible Employees may become Participants upon an election to receive medical care assistance which is made within 30 60 days of becoming an Employee.
- c) Employees who are eligible because they have chosen continuation coverage as authorized by COBRA must continue their medical assistance deductions. Otherwise, they will be considered revoked as described in Section 2120.220.
- d) Eligible employees who experience a Change in Family Status may elect to participate at any time within the Plan Year. Such election must be made within 30 60 days of the change.
- e) Elections from new Employees or those who have had a Change in Family Status will be effective the first Pay Period after the Enrollment Form is completed and processed by the Department.

(Source: Amended at __ Ill. Reg. ____, effective ____)

Section 2120.220 Insufficient Salary

- a) Participation can only be through payroll deduction - except as specifically allowed in this section.
- b) In the event the Comptroller fails to make a deposit in the Participant's account because there are inadequate funds to satisfy the Participant's elected deduction, the Participant's deduction will be revoked.
- c) The revoked Participant described in this Section can request reimbursement of Medical Care Expenses in accordance with Subpart F of this Part.
- d) The revoked Participant described in this Section can re-enroll the next election period in accordance with Section 2120.310 of this Part.

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(Source: Amended at __ Ill. Reg. ____, effective ____)

Section 2120.310 Election Procedure

- a) An Employee may elect to receive medical care assistance under this Plan by making an election and Compensation reduction agreement on an Enrollment Form provided by the Department.
- b) The enrollment period will be at a time to be determined by the Department prior to the beginning of the Plan Year. The enrollment period shall be sufficient to allow employees to enroll in the Plan and shall in no case be less than 30 days prior to the beginning of the Plan Year.
- c) Employees must participate for a full 12-month period. Participants who terminate or revoke may ~~prepay-the-contributions-for-the balance-of-the-Plan-Year-on-any-of-the-final-payrolls~~: continue participation by making the elected monthly deduction via a personal check or money order. As such payments are not made through payroll deduction, no tax benefits are allowed. If continuation is not elected, eligible expenses will include only those expenses incurred through the date of the last pay period in which deductions were made.
- d) The election must be for a specified dollar amount evenly divisible by the number of Pay Periods in the Plan Year.
- e) The Participant must re-enroll each year to continue participation.

(Source: Amended at __ Ill. Reg. ____, effective ____)

Section 2120.440 Forfeiture of Accounts

- a) The amount credited to a Participant's medical care assistance account for any Plan Year shall be used:
- 1) only to reimburse the Participant for Medical Care Expenses incurred during such Plan Year, and
 - 2) only if the Participant applies for Reimbursement on or before December 31 of the next Plan Year.
- b) If any balance remains in the Participant's medical care assistance account for any Plan Year after all Reimbursements hereunder, such balance shall not be carried over to reimburse the Participant for Medical Care Expenses incurred during a subsequent Plan Year, and shall not be available to the Participant in any other form or manner.
- c) Such balance shall be used to reimburse the Medical Care Assistance

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Plan for any reimbursements to Participants in excess of deposits that were not recovered as provided in Section 2120.610 of this Part.

- d) Any remaining balance shall contain all applicable Employer contributions and shall be:

- 1) distributed to all the year's Plan Participants of record as of June 30 equally as additional Compensation by the Department unless

- 2) such balance is less than \$5 \$25 times the number of Participants in which case the balance will be transferred to the General Revenue Fund.

- e) Such distribution shall be before March 31 of the next following year.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2120.510 Claims for Reimbursement

- a) A Participant who has enrolled for a Plan Year may apply to the Department for Reimbursement of Medical Care Expenses incurred by the Participant between July 1 and June 30.

For purposes of this Part, expenses are treated as having been incurred when the Participant is provided with the medical care that gives rise to the expenses, and not when the Participant is formally billed, charged for, or pays for the medical care.

- b) New Participants may apply for Reimbursement of Medical Care Expenses incurred between the first day of the Pay Period deductions begin in accordance with Section 2120.210 of this Part and June 30.

- c) Participants who revoke participation in accordance with Sections 2120.220 and 2120.320 of this Part before the end of the Plan Year may apply for Reimbursement of Medical Care Expenses incurred between July 1 and the last day of the Pay Period there was a deduction.

- d) Participants who terminate or revoke and choose to prepay pay the contributions for the balance of the Plan Year will have coverage for the entire Plan Year and may apply for Reimbursement of Medical Care Expenses incurred between July 1 and the following June 30.

- e) The Participant may apply by submitting an application in writing to the Department on a claim form provided by the Department setting forth:

- 1) the amount, beginning and ending service date and nature of the

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expense with respect to which a benefit is requested;

- 2) the name of the person, organization or entity to which the expense was paid;
- 3) third party verification of the expense such as bills, invoices, receipts, cancelled checks or other statements showing the amounts of such expenses; and
- 4) a statement that the medical expense has not been reimbursed and is not reimbursable under any health plan coverage.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2120.520 Reimbursement of Participant

- a) The Department shall reimburse the Participant from the Participant's medical care assistance account for Medical Care expenses incurred during the Plan Year for which the Participant submits documentation in accordance with Section 2120.510 of this Part.

- b) The Reimbursement schedule will be established by the Department in a manner that allows the Participant to receive Reimbursement no less than once a month.

- c) The Department will reimburse Participants who have filed claims in the prescribed manner:

- 1) at least once a month if the claim equals or exceeds \$50 \$20, and if there is enough money eligibility for reimbursement remaining in the account,

- 2) at least once the twelfth month (or the final month of an Employee's participation) regardless of the amount.

- d) If a Claim for Reimbursement under this Section exceeds the balance of the Participant's medical care assistance account, the Participant will be paid the amount of the claim as long as the claim is no greater than the annual election amount less any Reimbursements paid to date.

(Source: Amended at Ill. Reg. _____, effective _____)

Section 2120.610 Termination or Death of Participant

- a) In the event that a Participant terminates State service or dies, the Participant's participation shall terminate unless continuation of coverage as authorized by COBRA has been elected.

- b) The Department will pay any remaining balance to the

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Participant-(or-his-or-her-estate)-in-a-lump-sum-as-additional taxable-compensation:

eb) If the Participant returns to State service the same Plan Year, the Participant can re-enroll in accordance with the provisions of Section 2110.210 of this Part.

dc) If the Participant's employment status has changed from full time or half-time to a status that no longer allows participation in the State Employees Group Health Plan, the Participant will be considered revoked as described in Section 2120.220 unless the Participant has chosen continuation coverage as authorized by COBRA.

ed) If participation continues in this Plan because of COBRA-qualification, the Participant shall be considered terminated from State service at the end of the 18-month period of COBRA-coverage or whenever COBRA-qualification ceases. The Department will pay the balance as described in Section 2120.610(b) above.

(Source: Amended at Ill. Reg. _____, effective _____)

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NOTICE OF PROPOSED AMENDMENTS

1) HEADING OF THE PART: Cock Pheasant, Hungarian Partridge, Bobwhite Quail, Rabbit and Crow Hunting

2) CODE CITATION: 17 Ill. Adm. Code 530

3) SECTION NUMBERS: PROPOSED ACTION:

530.80 Amendment
530.105 Amendment

4) STATUTORY AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.33, 2.6, 2.7, 2.27, 2.30, 3.5, 3.27, 3.28 and 3.29 of the Wildlife Code (Ill. Rev. Stat. 1989, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.33, 2.6, 2.7, 2.27, 2.30, 3.5, 3.27, 3.28 and 3.29) as amended by P.A. 87-0126, effective August 13, 1991.

5) A COMPLETE DESCRIPTION OF THE SUBJECTS AND ISSUES INVOLVED:

These amendments raise the pheasant daily usage stamp fee from \$10 to \$15.

6) WILL THIS PROPOSED RULE REPLACE AN EMERGENCY RULE CURRENTLY IN EFFECT? No

7) DOES THIS RULEMAKING CONTAIN AN AUTOMATIC REPEAL DATE? No

8) DO THESE PROPOSED AMENDMENTS CONTAIN INCORPORATIONS BY REFERENCE? No

9) ARE THERE ANY OTHER PROPOSED AMENDMENTS PENDING ON THIS PART? No

10) STATEMENT OF STATEWIDE POLICY OBJECTIVES: This rule has no impact on local governments.

11) TIME, PLACE AND MANNER IN WHICH INTERESTED PERSONS MAY COMMENT ON THIS PROPOSED RULEMAKING: Comments on the proposed rule may be submitted in writing for a period of 30 days following publication of this notice to:

Jack Price
Department of Conservation
524 S. Second Street, Room 485
Springfield, IL 62701-1787

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- 12) INITIAL REGULATORY FLEXIBILITY ANALYSIS: This rule has no impact on small businesses or municipalities.

THE FULL TEXT OF THE PROPOSED AMENDMENTS BEGINS ON THE NEXT PAGE.

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NOTICE OF PROPOSED AMENDMENTS

TITLE 17: CONSERVATION
CHAPTER I: DEPARTMENT OF CONSERVATION
SUBCHAPTER b: FISH AND WILDLIFE

PART 530

COCK PHEASANT, HUNGARIAN PARTRIDGE, BOBWHITE QUAIL
RABBIT AND CROW HUNTING

Section
530.10
530.20

530.30
530.40
530.50
530.60
530.70
530.80
530.90
530.100
530.105

530.110

530.120

Statewide General Regulations
Statewide Cock Pheasant, Hungarian Partridge, Bobwhite Quail, and Cottontail and Swamp Rabbit Regulations
Statewide Hungarian Partridge Regulations (Repealed)
Statewide Bobwhite Quail Regulations (Repealed)
Statewide Rabbit Regulations (Repealed)
Statewide Crow Regulations
Controlled Pheasant Hunting Sites Permit Requirements
Controlled Pheasant Hunting Regulations
Illinois Youth Pheasant Hunting Sites Permit Requirements
Illinois Youth Pheasant Hunting Regulations
Regulations for Fee Hunting of Pheasant, Hungarian Partridge, Quail and Rabbit at Various Department-Owned or -Managed Sites
Regulations for Non-Fee Hunting of Cock Pheasant, Hungarian Partridge, Quail, and Rabbit at Various Department-Owned or -Managed Sites
Regulations for Hunting Crow at Various Department-Owned or -Managed Sites

AUTHORITY: Implementing and authorized by Sections 1.3, 1.4, 1.13, 2.1, 2.2, 2.33, 2.6, 2.7, 2.27, 2.30, 3.5, 3.27, 3.28 and 3.29 of the Wildlife Code (Ill. Rev. Stat. 1989, ch. 61, pars. 1.3, 1.4, 1.13, 2.1, 2.2, 2.33, 2.6, 2.7, 2.27, 2.30, 3.5, 3.27, 3.28 and 3.29) as amended by P.A. 87-0126, effective August 13, 1991.

SOURCE: Adopted at 5 Ill. Reg. 8777, effective August 25, 1981; codified at 5 Ill. Reg. 10634; amended at 6 Ill. Reg. 10667, effective August 20, 1982; amended at 7 Ill. Reg. 10755, effective August 24, 1983; amended at 8 Ill. Reg. 21574, effective October 23, 1984; amended at 9 Ill. Reg. 15846, effective October 8, 1985; amended at 10 Ill. Reg. 15579, effective September 16, 1986; emergency amendments at 10 Ill. Reg. 18822, effective October 16, 1986, for a maximum of 150 days; emergency expired March 15, 1987; amended at 11 Ill. Reg. 10546, effective May 21, 1987; amended at 12 Ill. Reg. 12016, effective July 7, 1988; amended at 13 Ill. Reg. 12796, effective July 21, 1989; emergency amendments at 13 Ill. Reg. 12985, effective July 31, 1989, for a maximum of 150 days; emergency expired December 28, 1989; amended at 13 Ill. Reg. 17348,

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effective October 27, 1989; amended at 14 Ill. Reg. 10775, effective June 20, 1990; emergency amendments at 14 Ill. Reg. 18324, effective October 29, 1990, for a maximum of 150 days; emergency expired March 28, 1991; amended at 15 Ill. Reg. 9924, effective June 24, 1991; amended at 15 Ill. Reg. _____, effective _____.

Section 530.80 Controlled Pheasant Hunting Regulations

- a) The controlled hunting season is November 6 through December 15, both dates inclusive, with the following exceptions:

- 1) All areas will be closed to pheasant permit hunting on every Monday and Tuesday during the controlled hunting season.
- 2) All areas are open to the Illinois Youth Pheasant Hunting Program only on November 10.
- 3) The controlled hunting season on the Green River State Wildlife Area (Lee County Conservation Area) is November 6 through November 14, November 20 through December 15 and December 20 through December 22.
- 4) The controlled hunting season on the Iroquois County State Wildlife Area is October 30 through November 14, November 20 through December 8 and December 13 through December 15.

- b) Hunting hours are from 9:00 a.m. to 4:00 p.m. Hunters with reservations are required to check in at the check station between 7:00 a.m. and 8:00 a.m. Reservations are void after 8:00 a.m.

- c) When daily quotas are not filled, permits will be issued on a first-come, first-served basis until 12:00 Noon.

- d) Hunters are required to deposit their hunting license in the check station while hunting. Persons exempt by law from having a hunting license must deposit their firearm Owner's Identification Card. If they are under 21 years old and do not have a card they must be accompanied by a parent, legal guardian or a person in loco parentis who has a valid card in possession. A \$4.00-\$15.00 Daily Usage Stamp must be purchased at each area.

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- e) Hunters are required to wear a cap and upper outer garment of solid and vivid blaze orange of at least 400 square inches. Hunters must also wear a back patch issued by the check station.

- f) Anyone who has killed game previously and has it in his possession or in his vehicle must declare it with the person in charge of the area when he checks in. All such game found in a hunter's possession after he has started hunting on the area will be considered illegally taken if the hunter has not declared it prior to going into the field.

- g) All hunting must be done with shotguns or bow and arrow. Only shot shells with a shot size of No. 5 lead or No. 3 steel or smaller may be used, except at the Wayne Fitzgerald State Recreation Area where only shot shells with a shot size of No. 3 steel or smaller may be used. Flu flu arrows only may be used by bow and arrow hunters.

- h) Non-hunters are not allowed in the field.

- i) Hunters under 16 years of age must be accompanied by an adult hunter.

- j) Pheasants only may be taken. Daily limit:

Two pheasants of either sex at Eldon Hazlet State Park, Chain O'Lakes State Park, Iroquois County State Wildlife Area, Moraine View State Recreation Area, Richland County Controlled Pheasant Hunting Area, Wayne Fitzgerald State Recreation Area, Des Plaines State Fish and Wildlife Area and Green River State Wildlife Area (Lee County Conservation Area).

- k) Tagging of birds.

All pheasants must be affixed with a Department tag before they are removed from the area during the controlled pheasant hunting season.

- l) Hunters may not leave the confines of any permit area and return to hunt on the permit area during the same day.

- m) It shall be unlawful to hunt on a site listed in subsection (j) for the remainder of the controlled hunting season after being issued a citation for violation of the Wildlife Code (Ill. Rev. Stat. 1989, ch.

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61, par. 2.33(g), (i), (j), (k), (n), (o), (p), (u), (x), (z), (cc) and (gg) or 17 Ill. Adm. Code 510.10(c)(4), (6), (11) and (12) and subsection 530.20(d) and subsections (d), (e), (g) and (j) of this Section, at that site. Hunters so cited may appeal the loss of, hunting privileges to the site superintendent at the site where the violation(s) occurred. Hunters may also request a hearing within ten days of the citation by written request addressed to: Legal Division, Department of Conservation, 524 South Second Street, Springfield, IL 62706. Such hearing shall be governed by the provisions of 17 Ill. Adm. Code 2530.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 530.105 Regulations for Fee Hunting of Pheasant, Hungarian Partridge, Quail and Rabbit at Various Department-Owned or -Managed Sites

- a) All the regulations in 17 Ill. Adm. Code 510 - General Hunting and Trapping apply in this Section, unless this Section is more restrictive.
- b) All hunters must wear a cap and upper outer garment of solid and vivid blaze orange of at least 400 square inches.
- c) All areas are closed to upland game hunting Mondays and Tuesdays, Christmas Day and New Year's Day, with the following exceptions: non-fee rabbit hunting is allowed every Monday and Tuesday at Ramsey Lake State Park and Site M Controlled Quail and Pheasant Hunting Area is closed to hunting on Thanksgiving Day).
- d) Hunting hours are 9:00 a.m. to 3:00 p.m. (except on Thanksgiving Day hunting hours are 9:00 a.m. to 1:00 p.m. at Kankakee River State Park, Silver Springs State Park and Sand Ridge State Forest).
- e) All hunting must be done with shotgun or bow and arrow. Only shot shells with a shot size of No. 5 lead or No. 3 steel or smaller may be used. Flu flu arrows only may be used by bow and arrow hunters.
- f) All pheasants and quail must be affixed with a Department tag before they are removed from the area.

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- g) A drawing will be held at the site for hunter quotas; a \$10-00/\$15.00 daily usage stamp is required opening date through the day following the final game bird release.
- h) When daily quotas are not filled, hunters will be allowed to check in on a first-come first-served basis until 1:00 p.m.
- i) The Department will announce by public news release the registration time and quota to be filled.
- j) Hunters are required to deposit their hunting license in the check station while hunting. Persons exempt by law from having a hunting license must deposit their Firearm Owner's Identification Card. If they are under 21 years old and do not have a card they must be accompanied by a parent, legal guardian or a person in loco parentis who has a valid card in possession.
- k) A back patch issued at the check station must be worn while hunting.
- l) Non-hunters are not allowed in the field.
- m) Hunters will not leave the site without first checking out.
- n) Pheasants of either sex may be harvested.
- o) Statewide regulations as provided for in this Part apply at the following sites, except as noted above and in parentheses below:

Horseshoe Lake State Park (Madison County) (hunting season opens the first hunting day after the close of the duck hunting season)

Johnson-Sauk Trail State Park

Kankakee River State Park (Hunters must check out within 15 minutes of the close of hunting hours)

Ramsey Lake State Park

Sand Ridge State Forest

Silver Springs State Park (Hunters must check out within 15 minutes of the close of hunting hours)

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Site M Controlled Quail and Pheasant Hunting Area
Washington County Conservation Area

- p) It shall be unlawful to hunt on a site listed in subsection (o) for the remainder of the controlled hunting season after being issued a citation for violation of the Wildlife Code (Ill. Rev. Stat. 1989, ch. 61, par. 2.33(g), (i), (j), (k), (n), (o), (p), (u), (x), (z), (cc) and (gg) or 17 Ill. Adm. Code 510.10(c)(4), (6), (11) and (12), subsection 530.20(d) and subsections (b), (d) and (j) of this Section, at the site. Hunters so cited may appeal the loss of hunting privileges to the site superintendent at the site where the violation(s) occurred. Hunters may also request a hearing within ten days of the citation by written request addressed to: Legal Division, Department of Conservation, 524 South Second Street, Springfield, IL 62701. Such hearing shall be governed by the provisions of 17 Ill. Adm. Code 2530.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

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ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF PROPOSED RULES

1) Heading of Part: Landfill Operators Certification

2) Code Citation: 68 Ill. Adm. Code 870

3) Section Numbers: Proposed Action:

870.100	New Section
870.105	New Section
870.110	New Section
870.115	New Section
870.120	New Section
870.200	New Section
870.205	New Section
870.210	New Section
870.215	New Section
870.220	New Section
870.225	New Section
870.230	New Section
870.235	New Section
870.240	New Section
870.245	New Section
870.300	New Section
870.305	New Section
870.310	New Section
870.315	New Section
870.320	New Section
870.325	New Section
870.400	New Section
870.405	New Section
870.500	New Section
870.505	New Section
870.510	New Section

4) Statutory Authority: Solid Waste Site Operator Certification Law (Public Act 86-1363, effective September 7, 1990)

5) A Complete Description of the Subjects and Issues Involved: The General Assembly found that to promote the safeguarding of public health and the environment, landfill sites need to have competent site operators whose practical working knowledge of the design, operation, and maintenance of landfill sites has been certified by the Illinois Environmental Protection Agency ("IEPA"). Consistent with these findings, the General Assembly enacted the Solid Waste Site Operator Certification Law. Provisions of this Law grant the IEPA the authority to promulgate rules to administer and enforce the Law.

Subpart A (Sections 870.100-870.120) sets forth the purpose of, and definitions pertinent to, the proposed rules. Subpart B (Sections 870.200-870.245) establishes categories of available certificates and the requirements for obtaining those certificates as well as certificate renewal. Subpart C (Sections 870.300-870.325) provides rules of

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ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF PROPOSED RULES

eligibility, procedure, and administration related to a written examination required for obtaining a certificate. Subpart D (Sections 870.400-870.405) sets forth the various fees associated with certification. Subpart E (Sections 870.500-870.510) includes the hearing procedure related to refusal, suspension, and revocation of a certificate.

- 6) Will this proposed rule replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? Yes X No
- If "yes", please specify the date: _____
- 8) Does this proposed rule (amendment, repealer) contain incorporations by reference? No
- 9) Are there any other proposed amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives: These new sections do not create or enlarge a state mandate as defined in Section 3(b) of the State Mandates Act (Ill. Rev. Stat. 1989, ch. 85, par. 2203(b)).
- 11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Persons who wish to submit comments on these proposed rules may submit them in writing by no later than 45 days after publication of this notice to:

Charles J. Northrup
Assistant Counsel
Division of Legal Counsel
Illinois Environmental Protection Agency
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

12) Initial Regulatory Flexibility Analysis:

- A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs:
- B) Types of small businesses affected: Landfills may be affected.
- C) Reporting, bookkeeping or other procedures required for compliance: In order to obtain a certificate, an applicant must possess the training and experience required by the Solid Waste Site Operator Certification Law and these rules, as well as the skills necessary to successfully complete a written examination administered by the IEPA.

The full text of the proposed rule begins on the next page:

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NOTICE OF PROPOSED RULES

TITLE 68: PROFESSIONS AND OCCUPATIONS
CHAPTER V: ENVIRONMENTAL PROTECTION AGENCY

PART 870

LANDFILL OPERATORS CERTIFICATION

SUBPART A: GENERAL

Section	Purpose
870.100	Applicability
870.105	Definitions
870.110	Disclaimer
870.115	Severability

SUBPART B: CERTIFICATES

Section	Categories of Certificates Available
870.200	Interim Certificate
870.205	Class A Certificate
870.210	Class A Certificate Special Waste Endorsement
870.215	Class B Certificate
870.220	Certificate Validity
870.225	Special Waste Endorsement Validity
870.230	Certificate Renewal
870.235	Emergency Certification
870.240	Certification
870.245	

SUBPART C: EXAMINATIONS

Section	Requirement of Examination
870.300	Exam Location and Admission Tickets
870.305	Exam Dates and Frequency
870.310	Notice of Examination Locations and Dates
870.315	Examination Administration
870.320	Examination Subjects
870.325	

SUBPART D: FEES

Section	Application Fee
870.400	Issuance and Renewal Fee
870.405	

ENVIRONMENTAL PROTECTION AGENCY

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SUBPART E: SUSPENSION AND REVOCATION

Section

870.500 Investigation

870.505 Notice

870.510 Procedure

AUTHORITY: Implementing and authorized by the Solid Waste Site Operator Certification Law (P.A. 86-1363, effective September 7, 1990)

SOURCE: Adopted at ____ Ill. Reg. ____, effective ____.

NOTE: CAPITALIZATION denotes statutory language.

SUBPART A: GENERAL

Section 870.100 Purpose

This Part sets forth the procedures to be used by the Agency in administering a system for the certification and sanctioning, where necessary, of regulated operators at regulated facilities, as those terms are defined herein.

Section 870.105 Applicability

The rules of this Part shall be applicable to the operation of landfills, permitted, or required to be permitted by the Agency. The operation of a landfill shall be deemed to have ceased upon the issuance of a certificate of closure by the Agency in accordance with 35 Ill. Adm. Code 807.508.

Section 870.110 Definitions

For purposes of this Part the words and terms defined in this Section shall have the meanings given herein. Words and terms not defined shall have the meanings otherwise set forth in the Solid Waste Site Operator Certification Law and the Environmental Protection Act.

"Act" means the Environmental Protection Act (Ill. Rev. Stat. 1989, ch. 111 1/2, par. 1001 et seq.).

"Agency" means the Illinois Environmental Protection Agency.

"Certified Operator" means the person at a landfill who has been certified pursuant to these regulations. A certified operator may be on the operational staff of not more than three landfills.

"Earth moving equipment" means motorized equipment designed to excavate, load, or transport earthen materials not including road licensed trucks.

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"Examination" means the test required to be taken by an applicant to become certified under the Solid Waste Site Operator Certification Law.

"Interim certification" means a certificate issued pursuant to Section 870.205 of this Part.

"Landfill" means a unit or part of a facility in or on which waste is placed and accumulated over time for disposal, and which is not a land application unit, a surface impoundment or an underground injection well.

"Landfill operations" means those activities conducted at a landfill including, but not limited to, the acceptance, distribution, and cover of waste.

"Operational staff" means those persons at a landfill who direct, supervise, or participate in the acceptance, distribution, or cover of waste.

"Person" means a human being.

"Solid Waste Site Operator Law" means the Solid Waste Site Operators Certification Law (P.A. 86-1363, effective September 7, 1990).

Section 870.115 Disclaimer

The Agency and the State of Illinois do not endorse or guarantee the quality of any work or conduct by an applicant who has been certified.

Section 870.120 Severability

If any Section, subsection, sentence or clause of this Part shall be judged invalid, such adjudication shall not affect the validity of this Part as a whole or any Section, subsection, sentence or clause thereof not judged invalid.

SUBPART B: CERTIFICATES

Section 870.200 Categories of Certificates Available

a) Applicants shall be able to apply for certificates or certificate renewals in any of the following categories: Class A; Class A with Special Waste Endorsement; or Class B. An applicant shall not be eligible for certification in one category if his or her current certificate in another category is currently suspended or revoked.

b) LANDFILL SITES WHICH ACCEPT NON-HAZARDOUS SOLID WASTE OTHER THAN CLEAN CONSTRUCTION OR DEMOLITION DEBRIS SHALL employ on its operational staff at least one person who possesses a valid Class A Certificate.

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c) LANDFILL SITES WHICH ACCEPT SPECIAL WASTE SHALL employ on its operational staff at least one person who possesses a valid Class A Certificate with a Special Waste Endorsement.

d) LANDFILL SITES WHICH ACCEPT ONLY CLEAN CONSTRUCTION OR DEMOLITION DEBRIS SHALL employ on its operational staff at least one person who possesses a valid Class A or B Certificate (Solid Waste Site Operator Law, P.A. 86-1363, Section 1004, effective September 7, 1990).

Section 870.205 Interim Certificate

a) Any person shall have an Interim Certificate and shall be eligible to perform as a certified operator if the Agency receives a complete application on or before November 15, 1991 in which the applicant demonstrates the following:

- 1) the applicant is at least 18 years of age;
- 2) the applicant has elected a category for which a certificate is sought;
- 3) the names, addresses, and phone number of not less than 3 references;
- 4) the applicant has received the education, study, training, and experience required to obtain a standard certificate in the category elected;
- 5) the applicant intends to take a written examination prescribed by the Agency no later than October 1, 1992; and
- 6) the applicant has paid the application fees required to obtain a standard certificate in the category elected.

b) Any Interim Certificate obtained pursuant to this Section shall expire on October 1, 1992.

Section 870.210 Class A Certificate

a) Any person who seeks a Class A Certificate shall pass a written examination as provided under Subpart C.

b) Any person who seeks a Class A Certificate shall submit a complete application to the Agency accompanied by the fee required under Section 870.400 of this Part in which the applicant demonstrates the following:

- 1) the applicant is at least 18 years of age;

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2) the applicant has not violated any of the provisions of the Solid Waste Site Operator Certification Law which could result in the refusal to issue, renew, or suspended for cause, such certification;

3) the applicant has either:

A) graduated FROM HIGH SCHOOL OR ITS EQUIVALENT, and

1) NOT LESS THAN 2 YEARS OF ACCEPTABLE STUDY, TRAINING, AND RESPONSIBLE EXPERIENCE IN SANITARY LANDFILL OPERATION OR MANAGEMENT, OR

1) NOT LESS THAN 7 YEARS OF ACCEPTABLE STUDY, TRAINING, AND RESPONSIBLE EXPERIENCE IN OPERATION OR MANAGEMENT OF EARTH MOVING EQUIPMENT; or

B) completed:

1) GRAMMAR SCHOOL OR ITS EQUIVALENT, and

1) NOT LESS THAN 15 YEARS OF ACCEPTABLE STUDY, TRAINING, AND RESPONSIBLE EXPERIENCE IN SANITARY LANDFILL OPERATION OR MANAGEMENT (Solid Waste Site Operator Law, P.A. 86-1363, Section 1007, effective September 7, 1990); and

4) the names, addresses, and phone numbers of NOT LESS THAN 3 REFERENCES (Solid Waste Site Operator Law, P.A. 86-1363, Section 1008, effective September 7, 1990).

c) Supporting information for use under subsection (b)(3) shall at a minimum describe the following:

1) the applicant's level of formal education including the date of graduation from high school or grammar school, or receipt of equivalent educational experience, and the name and address of the issuing institution.

2) the applicant's study, training, and experience in sanitary landfill operation or management including:

A) the name, address, and phone number of the employer under which the applicable study, training, or work experience was obtained; and

B) the name, address, and phone number of the institution at which the applicable study, training, or work experience was obtained.

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- d) For the purposes of subsection (b)(3) above acceptable study and training may include, but is not limited to, the following:
- 1) College or University training programs or courses;
 - 2) Trade or Professional Association training programs or courses;
 - 3) Government training programs or courses;
 - 4) Review of relevant periodicals, trade journals, or other literature, or;
 - 5) Review of Illinois statutes and regulations relevant to the Class A Certificate.
- e) For the purposes of subsection (b)(3) above responsible experience may include, but is not limited to, the following:
- 1) employment at a landfill;
 - 2) management of a landfill;
 - 3) employment, including military service, involving the operation or management of earth moving equipment;
 - 4) consulting activities related to the operation or management of a landfill.

Section 870.215 Class A Certificate Special Waste Endorsement

- a) Any person who seeks a Special Waste Endorsement shall pass a written examination as provided under Subpart C.
- b) Any person who seeks a Special Waste Endorsement shall demonstrate, on a form designated by the Agency, the following:
- 1) the applicant has been issued a Class A Certificate which has not been suspended or revoked, or otherwise become invalid; or
 - 2) the applicant has submitted a complete application for the issuance of a Class A Certificate.
- c) A Special Waste Endorsement shall not be issued to the applicant until the applicant has been issued a Class A Certificate.

Section 870.220 Class B Certificate

- a) Any person who seeks a Class B Certificate shall pass a written examination as provided under Subpart C.

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- b) Any person who seeks a Class B Certificate shall submit a complete application to the Agency accompanied by the fee required under Section 870.400 of this Part in which the applicant demonstrates the following:
- 1) the applicant is at least 18 years of age;
 - 2) the applicant has not violated any of the provisions of the Solid Waste Site Operator Certification Law which could result in the refusal to issue, renew or suspend for cause such certification;
 - 3) the applicant has either:
 - A) graduated FROM HIGH SCHOOL OR ITS EQUIVALENT, and
 - i) NOT LESS THAN 6 MONTHS OF ACCEPTABLE STUDY, TRAINING, AND RESPONSIBLE EXPERIENCE IN SANITARY LANDFILL OPERATION OR MANAGEMENT, OR
 - ii) NOT LESS THAN 3 YEARS OF ACCEPTABLE STUDY, TRAINING AND RESPONSIBLE EXPERIENCE IN OPERATION OR MANAGEMENT OF EARTH MOVING EQUIPMENT; or
 - B) completed:
 - i) GRAMMAR SCHOOL OR ITS EQUIVALENT, and
 - ii) NOT LESS THAN 5 YEARS OF ACCEPTABLE STUDY, TRAINING, AND RESPONSIBLE EXPERIENCE IN SANITARY LANDFILL OPERATION OR MANAGEMENT (Solid Waste Site Operators Law, P.A. 86-1363, Section 1007, effective September 7, 1990); and
 - 4) the names, addresses, and phone numbers of NOT LESS THAN 3 REFERENCES (Solid Waste Site Operators Law, P.A. 86-1363, Section 1008, effective September 7, 1990).
- c) Supporting information for use under section (b)(3) above shall at a minimum describe the following:
- 1) the applicant's level of formal education including the date of graduation from high school or grammar school, or receipt of equivalent educational experience, and the name and address of the issuing institution,
 - 2) the applicant's study, training, and experience in sanitary landfill operation or management including:

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- A) the name, address, and phone number of the employer under which the applicable study, training, or work experience was obtained; and
- B) the name, address, and phone number of the institution at which the applicable study, training, or work experience was obtained.

d) For the purposes of subsection (b)(3) above acceptable study and training may include, but is not limited to, the following:

- 1) College or University training programs or courses;
- 2) Trade or Professional Association training programs or courses;
- 3) Government training programs or courses;
- 4) Review of relevant periodicals, trade journals, or other literature, or;
- 5) Review of Illinois statutes and regulations relevant to the Class B Certificate.

e) For the purposes of subsection (b)(3) above responsible experience may include, but is not limited to, the following:

- 1) employment at a landfill;
- 2) management of a landfill;
- 3) employment, including military service, involving the operation or management of earth moving equipment;
- 4) consulting activities related to the operation or management of a landfill.

Section 870.225 Certificate Validity

Any certificate issued under this Part shall be valid FOR A PERIOD OF 3 YEARS, WITH THE EXPIRATION DATE BEING 3 YEARS FROM THE FIRST DAY OF OCTOBER OF THE CALENDAR YEAR IN WHICH THE CERTIFICATE IS ISSUED (Solid Waste Site Operator Law, P.A. 86-1363, Section 1010, effective September 7, 1990)

Section 870.230 Special Waste Endorsement Validity

- a) A Special Waste Endorsement issued under this Part shall expire on the date the accompanying Class A Certificate expires.

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- b) An applicant who passes the Special Waste Endorsement examination, but fails the accompanying Class A examination is not required to retake the Special Waste Endorsement examination if the applicant passes a subsequent Class A examination within six months of passing the Special Waste Endorsement examination.

Section 870.235 Certificate Renewal

- a) Any person who seeks renewal of any certificate or Special Waste Endorsement issued under this Part shall pass a written examination as provided under Subpart C.
- b) Any person who seeks renewal of any certificate or Special Waste Endorsement issued under this Part shall submit a complete renewal application to the Agency not less than 90 days before expiration of the currently effective certificate or Special Waste Endorsement which demonstrates the following:
 - 1) the applicant has not violated any of the provisions of the Solid Waste Site Operator Certification Law which could result in the refusal to issue or renew for cause;
 - 2) the applicant has not had a certificate or Special Waste Endorsement issued under this Part which has been suspended or revoked under Subpart D;
 - 3) the applicant has paid any fees required for the renewal of any certificate or Special Waste Endorsement.

Section 870.240 Emergency Certification

- a) Whenever a certified operator begins or terminates employment with a landfill, the certified operator and the landfill owner shall notify the Training and Certification Unit, Division of Land Pollution Control, of the Agency in writing within seven days.
- b) Should the certified operator(s) at a landfill unexpectedly terminate employment due to death, illness, or otherwise, or for whatever reason becomes incapable of directing landfill operations or supervising other operational staff in performing landfill operations, the landfill owner shall be allowed 90 days to obtain a properly certified operator pursuant to the procedures specified under Subpart B. During the 90 day period the landfill may continue operations.
- c) During the 90 day period that a landfill may continue operations without a certified operator, the landfill owner may sponsor an individual to become certified. A landfill owner sponsors an individual by informing the Training and Certification Unit, Division

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of Land Pollution Control, of the Agency in writing that the landfill is operating without a certified operator and that the sponsored individual will, if certified, be employed at the landfill. An applicant so sponsored may, after submittal to the Training and Certification Unit a complete application and appropriate fees, request to take a certification examination on an expedited basis.

- d) If the Agency receives a request to take an expedited examination, and has received a complete application and appropriate fees on or before the 60th day of the 90 day period that a landfill may continue operations without a certified operator, the Agency shall administer an examination to the applicant. The Agency may administer additional exams subject to available Agency time and resources.

- e) All expedited examinations shall be held in Springfield, Illinois.

Section 870.245 Certification

Any person signing an application submitted under this Subpart B shall make the following certification:

I certify that the information submitted in this application or document and all attachments is, to the best of my knowledge and belief, true, and accurate and complete. I am aware that there are significant penalties under Section 44 of the Environmental Protection Act for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SUBPART C: EXAMINATIONS

Section 870.300 Requirement of Examination

- a) The Agency shall not issue any certificate or Special Waste Endorsement contemplated by this Part unless the applicant has passed a written standardized examination in accordance with this Subpart.
- b) A score of 70% correct constitutes a passing score for the standardized examination.
- c) An application shall remain complete for three years from the date of filing or until the person has taken and failed the exam three times, whichever comes first. An applicant whose previously submitted application is no longer complete must submit a new application meeting the requirements of Subpart B accompanied by the fees required under Section 870.400.
- d) An applicant who has failed the exam three times within a period of three years shall not be eligible to take the exam again for a period of no less than one year from the date of notice of the last

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failure. The applicant shall demonstrate that during the one year period additional training, study, or experience has been acquired.

Section 870.305 Exam Locations and Admission Tickets

- a) The certification examination shall be held at various locations including the Chicago Metropolitan area, the Collinsville area and Springfield Illinois.
- b) Information about specific test locations will be available upon request from the Training and Certification Unit, Division of Land Pollution Control, of the Agency. The examination admission ticket sent to an applicant shall specify the correct location for that applicant.
- c) In the application for a certificate or Special Waste Endorsement the applicant shall designate a preferred location, among those identified by the Agency, for taking the examination.
- d) The Agency shall not issue an examination admission ticket to an applicant until it has received the application fee provided under Section 870.400 of this Part from the applicant.

Section 870.310 Examination Dates and Frequency

Examinations will be held four times every year. Information about authorized test dates will be available upon request from the Training and Certification Unit, Division of Land Pollution Control, of the Agency.

Section 870.315 Notice of Examination Locations and Dates

The Agency will provide each applicant with notice of the specific location and date of examination, no less than fourteen days before the scheduled examination date. Notice shall be given by means of the admission ticket sent to the applicant at the mailing address indicated on the application. Each applicant shall have the admission ticket, along with picture identification, available for review by Agency proctors on the date of the examination. Admission to the examination shall be denied if an applicant fails to produce, upon request by Agency proctors, an admission ticket and photo identification.

Section 870.320 Examination Administration

At all examination locations authorized by the Agency, proctors designated by the Agency shall administer and supervise the conduct of examinations, and collect examination answer sheets and test forms after completion of an examination. The Agency shall not allow examinees to keep copies of the test or test materials.

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Section 870.325 Examination Subjects

The Training and Certification Unit, Division of Land Pollution Control, of the Agency shall provide, upon request, a listing of the curriculum which examinees can expect to be examined. The Agency may revise the examination curriculum to provide for additional or different topics which may be required for the testing of a specific certificate.

SUBPART D: FEES

Section 870.400 Application Fee

Applicants for any certificate or Special Waste Endorsement, or the renewal of any certificate or Special Waste Endorsement shall submit a \$100.00 application fee with the application. Any person who seeks a Special Waste Endorsement concurrent with the submittal of an application for a Class A Certificate shall not be required to pay two application fees.

Section 870.405 Issuance and Renewal Fee

a) Following submission of a complete application an applicant shall pay the following fees prior to the issuance or renewal of a certificate or Special Waste Endorsement:

- 1) \$400 for the issuance or renewal of a Class A Certificate;
- 2) \$100 for the issuance or renewal of a Special Waste Endorsement;
- 3) \$200 for the issuance or renewal of a Class B Certificate.

b) The Agency shall impose an additional \$50 fee for the failure of a Solid Waste Site Operator to submit a renewal fee prior to November 1, following a certificate's expiration.

c) The fees required under this Section shall be non-refundable.

SUBPART E: SUSPENSION AND REVOCATION

Section 870.500 Investigation

The Agency may refuse to issue, or seek the suspension or revocation of any certificate or Special Waste Endorsement established under Subpart B of this Part. The Agency may upon its own motion, or upon the written complaint of any person setting forth changes which if proven, would constitute grounds for the refusal to issue, suspension or revocation as provided by the Solid Waste Site Operator Law, investigate the actions of any person applying for, or holding a certificate or Special Waste Endorsement.

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Section 870.505 Notice

The Agency shall, at least 28 days prior to issuing a Notice of Contested Case Hearing as provided for at 35 Ill. Adm. Code Part 168, notify the applicant or certificate or Special Waste Endorsement holder in writing the nature of the charges made and shall afford the applicant or holder an opportunity to be heard in person or by counsel.

Section 870.510 Procedure

Where the Agency refuses to issue, or seeks the suspension or revocation of, any certificate or Special Waste Endorsement, the procedures set forth at 35 Ill. Adm. Code 168 shall apply.

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1) The Heading of the Part: Mobile Sources2) Code Citation: 35 Ill. Adm. Code 2403) Section Number: Proposed Action:

240.102 Amendment
 240.122 Amendment
 240.140 New Section
 240.141 New Section
 240.142 New Section
 240.143 New Section
 240.144 New Section
 240.145 New Section
 240.146 New Section
 240.147 New Section
 240.148 New Section

4) Statutory Authority: Illinois Environmental Protection Act (Ill. Rev. Stat. 1989, ch. 111½, pars. 1010 and 1027).5) A Complete Description of the Subjects and Issues Involved:

On July 19, 1990, this Board adopted an Order which established inquiry hearings regarding diesel smoke. These hearings were held on September 21 and September 28, 1990. Participants included Senator Judy Barr Topinka, the Chicago Transit Authority, the Engine Manufacturers Association, the Navistar Corporation, various representatives of communities in the Chicago area and numerous citizens. All of these groups supported the concept of a rulemaking to reduce the pollution emitted by diesel-powered engines.

Diesel exhaust is complex mixture of thousands of inorganic and organic substances. The primary components of diesel exhaust include oxides of nitrogen (NOx), oxides of sulfur, particulate matter (PM), carbon monoxide (CO), various organic compounds, carbon dioxide, nitrogen, and water vapor.

Due to the combustion properties of the diesel engine, CO and hydrocarbon emission levels are considerably lower than those from a comparable gasoline engine. Diesel engines do, however, emit relatively high levels of NOx, and sulfur emissions from diesel engines are currently about 10 times that of comparable gasoline engines due to the higher sulfur content of diesel fuel.

When released into the atmosphere, sulfur dioxide

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emissions undergo chemical reactions to form sulfates, including sulfuric acid and acid sulfate mists. On August 21, 1990 USEPA promulgated a final rule for diesel fuel quality standards which takes effect on October 1, 1993. This regulation limits the sulfur content of diesel fuel to 0.05 percent and also limits the aromatic content of diesel fuel.

The most characteristic feature of diesel exhaust, however, is the very visible releases of PM. Diesel particulates consist of a solid carbonaceous core upon which is absorbed a complex mixture of oxygenated hydrocarbons, sulfates, and trace elements. Studies have estimated that diesel-powered vehicles emit 30 to 100 times more PM than comparable catalyst equipped gasoline vehicles.

Health effects due to PM in diesel exhaust are of particular concern due to their small size. Virtually all the PM emitted by diesel vehicles is less than 10 microns in diameter and is referred to as PM-10. In fact, over 90 percent of diesel PM is less than 1 micron in size and is therefore easily ingestible via the lungs and can penetrate deep into the respiratory system. Due to the potential health effects of particles of this size, on July 1, 1987, USEPA promulgated primary and secondary national ambient air quality standards for PM-10.

A variety of health impacts of exposure to diesel exhaust have been identified. Symptoms of acute exposure to diesel exhaust include mucous membrane and eye irritation, light-headedness, nausea, numbness, chest tightness, and wheezing. Exhaust odors can cause nausea, headaches, loss of appetite, and physiological stress. Further, animal studies on the toxic effects of high concentrations of diesel exhaust, relevant to ambient levels, have demonstrated that chronic exposures result in diminished lung function and in structural changes in lung tissue. Chronic exposure to high levels of diesel exhaust has also been associated with increased susceptibility to respiratory tract infections, neurological and behavioral changes, and morphological changes in the liver.

With regard to health effects, however, the carcinogenicity of diesel exhaust is of most concern. Although the evidence is considered limited, collectively, human epidemiologic studies show a positive correlation between diesel exhaust exposure and lung cancer. Further, as early as 1955, animal studies have provided evidence that diesel exhaust is carcinogenic in animals. This contention

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is supported by positive results in numerous independent studies in male and female animals of at least two species and by several routes of administration, including inhalation, intratracheal administration, skin painting, and subcutaneous injection. A recent study by USEPA concluded that more than 60,000 people die annually from soot and PM-10. Based on the evidence for carcinogenicity in humans and the sufficient evidence for cancer induction in animals, diesel engine emissions are considered to be probable human carcinogens.

In response to these health concerns, as well as efforts to address PM-10 nonattainment, USEPA, State, and local agencies have taken action to reduce diesel emissions. In March 1985, USEPA promulgated new heavy-duty diesel engine standards for NOx and PM. (50 Fed. Reg. 10606 (March 15, 1985).) By 1994, these new standards will result in a 53 percent reduction in NOx emissions per vehicle and an 83 percent reduction in PM per vehicle. As mentioned previously, USEPA recently promulgated a rule to limit the sulfur and aromatic content of diesel fuel. The reduction in sulfur content in the diesel fuels will make it easier for engine manufacturers to meet the stringent diesel engine standards using known technology. Many States are also exploring the use of alternative fuels to reduce bus and truck emissions.

The rules that focus on new vehicles, however, will not be fully beneficial until the existing fleet is replaced. More importantly, once these vehicles are on the road, there is no guarantee that they will be properly maintained to ensure continued low emission levels. Tampering and malmaintenance are the primary causes of excessive diesel emissions. The most common problems include improper air fuel ratio control, problems with the fuel injection system or fuel injection timing, and adequate air intake.

In response to these problems, some states have already implemented, or like Illinois are considering programs to control diesel emissions. Many states have laws which allow citations to be issued to vehicles emitting excessive smoke. Four states - Kentucky, Oregon, Arizona, and Colorado - currently test diesels in their inspection and maintenance programs, and Tennessee and Florida plan to test diesels in various I/M programs in the near future. In addition, New Jersey and Nevada have some form of on-road testing of heavy-duty diesel trucks.

A review of each of these programs indicates that some states are currently experiencing operating problems. For

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example, the use of idle tests, improper test methods, and cut points based on continuous rather than peak smoke levels, have resulted in failure rates of less than 2 percent for a number of the I/M programs. The program instituted in Colorado utilizes self-testing by the regulated entities. However, adequate planning, design, and enforcement can make each of these types of programs effective in keeping excessively smoking vehicles off the road.

The California Air Resources Board (CARB) conducted an extensive research effort in their development of a smoke inspection program. The inspection program uses a snap idle inspection test with peak smoke levels measured using an opacity meter. The tests are conducted at weigh stations and safety inspection stations located on interstate highways, as well as random roadside sites. The proposed opacity cut-point limit is 40 percent. Using pilot program data and regression analysis, CARB determined that the 40 percent cutpoint for the snap idle test provides a good correlation to the federal test procedures smoke certification standard of 50 percent and would yield an error of commission rate, defined as the fraction of false failures, of less than 5 percent.

Repair data from the pilot program showed that, on average, post-repair smoke levels were nearly constant at levels of 25-30 percent. Vehicles whose pre-repair smoke opacity was 100 percent were, on average, reduced 70 percent, indicating that effective repairs are possible. The proposed penalty structure for the program sets civil penalties of \$500 for the first violation and \$1,500 for subsequent violations. If the vehicle is repaired within 30 days, the \$500 first violation penalty may be waived; however, for all violations, there is a separate and mandatory \$300 penalty which is deposited into the Diesel Emission Reduction Fund and is used to promote research into cleaner fuels.

Due to its black color, the elemental carbon fraction of the diesel particulate exerts a relatively strong influence on opacity. In fact, 95 percent of an opacity reading has been found to be due to the elemental carbon in the exhaust. Reductions in opacity, then, imply reductions in the amount of carbon soot, as well as other exhaust components, due to more complete combustion; however, a direct correlation between opacity and total particulate mass has not been determined.

Support for a diesel opacity program, then, falls into

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three categories. First, from an aesthetic point of view, diesel exhaust and diesel exhaust odors are a nuisance. USEPA and the Illinois Environmental Protection Agency have indicated that the number one public complaint these agencies receive is in regard to diesel pollution.

Second, there are a total of 4 Group I and Group II PM-10 areas in Illinois for which State Implementation Plans (SIPs) must be developed. Control of PM-10 in these areas will be resolved through stationary and area, including mobile, source control strategies. The reduction in mobile source PM-10 resulting from a diesel opacity program will contribute to the State's effort to control PM-10.

Finally, control of diesel exhaust opacity offers potential health benefits in terms of reduced acute reactions and long term illnesses. Although not yet conclusive, some studies have indicated that the gaseous fraction of diesel exhaust, without the carbon core particle, does not induce tumors. Furthermore, the carcinogenic potential of the carbon core alone has yet to be determined. The carbon core may itself have some carcinogenic potential or its presence may be required in some interactive fashion to induce a response. Nonetheless, any reduction in carbon soot, and diesel exhaust emission as a whole, would have a positive health effect.

Based upon the testimony regarding the detrimental health effects and the direction other states have taken combating this problem, the Board today seeks to propose a measure similar to that used in California. We choose this route even though we realize that many differences exist between CARB and the Board. The primary distinction remains that CARB has the ability, in conjunction with the California Highway Patrol, to directly enforce its rule. The Board does not possess these direct enforcement capacities. Nevertheless, there remain an assortment of reasons for proposing a rule today.

First, in its spring session, the Illinois Legislature sent to conference committee a bill called the Diesel Powered Motor Vehicles Emission Testing Act (S.B. 1231). Although it contains no substantive language, it may represent an intent on the part of the legislature to do something in relation to diesel smoke pollution. Those entities who participated in our hearings and those otherwise affected may wish to track this bill in conjunction with the regulation proposed today.

Of equal import, and less hypothetical, the Board wishes to pass a viable diesel regulation which can be adopted by any

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local governing body. Senator Judy Barr Topinka, in addition to numerous representatives of the western suburbs, testified in regards to the pollution problems stemming from trucks travelling through their neighborhoods. These representatives have been inundated with citizens' complaints in relation to diesel smoke. Their cumulative testimony revealed that many western suburbs occasionally band together and set up roadblocks for various reasons. Their testimony further indicated that assuming reasonable costs, they would be willing to implement a program whereby diesel testing could be facilitated on a random basis.

In short, these representatives from the western suburbs, an area which contends with a great deal of truck traffic, recognize the need to do something about this problem. Moreover, they are without the means to undertake such a task independently. Accordingly, they have looked to the Board for direction. We note that this problem is not restricted to the western suburbs of Chicago, but exists throughout the state. Thus any political subdivision of the state may pass an identical or similar ordinance based on site-specific goals and solutions.

In addition, the Board today will propose a visual twenty percent (20%) opacity rule for diesel-powered vehicles travelling continuously for over ten seconds. While proposed for the same purpose, this 20% opacity rule differs from the snap-idle test. Snap-idle tests are performed while a vehicle is not moving. The engine is cleared and particulate emissions in the form of opacity are measured by a properly calibrated device meeting the scientific test of reproducibility. Due to these factors, the issuance of a citation creates a rebuttable presumption of guilt.

Visual opacity readings, on the other hand, are less empirical. Yet other states such as Arizona, New Jersey, and New York, as well as California have all implemented visual tests of assorted opacities. The effectiveness of the programs are inconclusive because they are in their infant stages. Even so, the Board believes that a visual opacity test would be an effective supplement to the snap-idle test.

To begin with, the snap-idle test would most likely be performed at weigh stations, roadblocks and other areas where detaining large vehicles would be feasible and consume the least possible amount of time. The testimony at hearing demonstrated that many of the pollution-emitting diesel sources rarely even enter the highway. There are many

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existing pollution sources that operate locally and do not engage in intrastate travel. Moreover, many fleets which are local in nature have switched from gasoline to diesel engines; and further, these conversions were motivated in large part by the fact the diesel engines are unregulated. Thus the snap-idle test, standing alone, would miss a significant portion of diesel polluters.

Secondly, the 20% opacity test for vehicles operating over ten seconds is not a rigid or arbitrary standard; rather, it is intended to serve as a catalyst for ascertaining and punishing the obvious polluters. This allows the enforcing entity to act quickly and insures the threat of immediate enforcement. A rule which has the capability of random enforcement which is not restricted to a certain area is more inclined to draw attention from the regulated community.

Finally, all those regulated entities testified that the 20% opacity standard for diesel-powered vehicles operating over ten seconds would be reasonable. The Chicago Transportation Authority, the Engine Manufacturers Association, the Navistar Corporation and Caterpillar all concurred that meeting this standard is technologically feasible and economically reasonable. Mr. Charles Hudson, of Navistar Corporation, did request that any violator issued a citation under the visual opacity standard have appeal rights through confirmation or repudiation by the more scientific snap-idle test. The Board finds this request to be reasonable. The regulation is therefore proposed so that any person cited under the visual test may, within five (5) days, request a snap-idle test. In this way, the rule will not be arbitrary and the most blatant polluters will hopefully be motivated to maintain their mobile sources in accordance with the law.

In terms of enforcement, the Board realizes that at this stage, the rule as drafted is somewhat tenuous. In promulgating this regulation, we inserted the State Police as an enforcement mechanism because other programs of other states have done so. The Board envisions that for any rule to be effective, the State Police would be involved at some level. The Illinois Environmental Protection Agency is also made part of the process. This does not presume to tell these critical agencies what to do or how to allocate their respective budgets; rather, it serves only to introduce a viable structure to combat a serious health problem. In this vein, the Board welcomes comment and, hopefully, participation from these agencies in formulating a feasible plan.

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At the same time, we recognize that the legislature may choose to act in regard to diesel regulations. Should that be the case, the Board is prepared to alter its regulations accordingly. Until that time however, the diesel smoke problem and its ramifications need to be addressed. It is with that in mind that we propose this regulation for First Notice and note that these rules are not set in stone, but rather represent an attempt to begin the process whereby dangerous pollutants are reduced for the benefit of the people of Illinois.

- 6) Will this proposed rule replace an emergency rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Does this proposed amendment contain incorporations by reference? No
- 9) Are there any other amendments pending on this Part? No
- 10) Statement of Statewide Policy Objective (if applicable)?
See answer to question 5.
- 11) Time, Place and Manner in which interested persons may comment on this proposed rulemaking:
Send written comments concerning R90-20 within 45 days of publication in the Illinois Register to the Clerk of the Pollution Control Board, 100 West Randolph Street, Suite 11-500, Chicago, Illinois 60601.
- 12) Initial Regulatory Flexibility Analysis (if applicable):
 - A) Date rule submitted to Business Assistance Office of the Department of Commerce and Community Affairs: August 1, 1991
 - B) Types of small businesses affected:
Those small businesses with diesel fleets as defined in the rule.
 - C) Reporting, bookkeeping or other procedures required for compliance: None

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- D) Types of professional skills necessary for compliance:
None

The full text of the adopted amendments begins on the next page:

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- TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION
CHAPTER I: POLLUTION CONTROL BOARD
SUBCHAPTER K: EMISSION STANDARDS AND LIMITATIONS
FOR MOBILE SOURCES

PART 240
MOBILE SOURCES

SUBPART A: DEFINITIONS AND GENERAL PROVISIONS

Section	Preamble
240.101	Definitions
240.102	Prohibitions
240.103	Inspection
240.104	Penalties
240.105	Determination of Violation
240.106	

SUBPART B: EMISSIONS

Section	Smoke Emissions
240.121	Diesel Engine Emission Standards for Locomotives
240.122	Liquid Petroleum Gas Fuel Systems
240.123	Vehicle Exhaust Emission Standards
240.124	Compliance Determination
240.125	

SUBPART C: HEAVY-DUTY DIESEL SMOKE EMISSION TEST
PROCEDURE, AND HEAVY-DUTY VEHICLE EMISSION CONTROL SYSTEM INSPECTIONS

Section	Applicability
240.140	Responsibilities During Inspection Procedure
240.141	Heavy-Duty Diesel Vehicle Smoke Opacity Test Procedure
240.142	Heavy-Duty Vehicle Emission Control System Inspection
240.143	Refusal to Submit to Inspection Procedure
240.144	Civil Penalty Schedule
240.145	Demonstration of Correcton and Post-Repair Test or Inspection
240.146	Vehicles Removed from Service
240.147	Twenty Percent Visual Opacity Test
240.148	

Appendix A	Rule into Section Table
Appendix B	Section into Rule Table

AUTHORITY: Implementing Section 9, 101 and 13 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat.

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1989, ch. 111-1/2, pars. 1009, 1010, 1013 and 1027).

SOURCE: Adopted as Chapter 2: Air Pollution, Part VII: Mobile Sources, filed and effective April 14, 1972; codified at 7 Ill. Reg. 13628; amended in R85-25, at 10 Ill. Reg. 11277, effective June 16, 1986; amended in R90-20 at 15 Ill. Reg. _____, effective _____.

SUBPART A: DEFINITIONS AND GENERAL PROVISIONS

Section 240.102 Definitions

All terms which appear in this Part have the definitions specified in this Part and 35 Ill. Adm. Code 201 and 211.

"Basic Penalty": The reduced civil penalty of five hundred dollars (\$500) for a test procedure or emission control system inspection violation that is deposited in the Environmental Trust Fund.

"Certification Level": The same as defined in Title 40. Code of Federal Regulations (CFR). Part 86, Subpart A for 1974 and subsequent model-year heavy-duty diesel-powered vehicles when tested in accordance to 40 CFR Part 86, Subpart I, for peak smoke emissions.

"Citation": A legal notice issued to a heavy-duty vehicle's owner, or owner and operator, by the Illinois State Police, the Illinois Environmental Protection Agency or any other authorized state agency or political subdivision thereof requiring the owner to repair the vehicle and to pay a civil penalty.

"Defective": An emission control system or an emission control system component that is malfunctioning due to age, wear, malmaintenance, or design defects.

"Demonstration of Correction": A repair receipt from a repair facility, a complete work order from a fleet repair or fleet maintenance facility, or successful completion of a post-repair test or inspection.

"Diesel Engine": All types of internal-combustion engines in which air is compressed to a temperature sufficiently high to ignite fuel injected directly into the cylinder area.

"Diesel Locomotive": A diesel engined vehicle designed to move cars on a railway.

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"Driver": The same meaning as defined in the Illinois Vehicle Code, Ill. Rev. Stat. 1989, ch. 95-1/2, par. 116.1.

"Emission Control Label": The label required in 13 CCR, Section 1965, or Title 40 Code of Federal Regulations (40 CFR), Section 85.874-35 or 40 CFR Part 86, Subpart A.

"Emission Control System": The pollution control components on an engine at the time of its engine family certification, including, but not limited to, the emission control label.

"Fleet": Five or more vehicles.

"Full Power Position": The throttle position at which the engine fuel delivery is at maximum flow.

"Heavy Duty Vehicle": A motor vehicle rated at more than 8000 pounds gross vehicle weight a vehicle with 8,000 pounds or greater manufacturer's maximum gross vehicle weight rating (GVWR) and greater.

"High Idle": That portion of a two-speed idle test conducted with the engine operating at a speed of approximately 2500 RPM.

"Idle Mode": That portion of a vehicle emission test procedure conducted with the engine disconnected from an external load and operating at minimum throttle.

"Inspection Procedure": The test procedure specified in Section 240.142 and the emission control system inspection specified in Section 240.143.

"Inspection Site": An area including a random roadside location, a weigh station, or a fleet facility selected for the purpose of conducting the heavy-duty vehicle test procedure and/or emission control system inspection.

"Issuance": The date the citation is mailed to, or personally handed by an inspector to the owner.

"Light Duty Truck": A motor vehicle rated at 8000 pounds gross vehicle weight or less, which is designed for carrying more than 10 persons or designed for the transportation of property, freight or cargo, or is a derivative of such a vehicle.

"Light Duty Vehicle": A passenger car designed to carry not more than 10 persons.

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"Minimum Penalty": The three hundred dollar (\$300) penalty that is to be deposited in the Environmental Trust Fund.

"Model Year": The year of manufacture of a motor vehicle based upon the annual production period as designated by the manufacturer and indicated on the title and registration of the vehicle. If the manufacturer does not designate a production period for the vehicle, then "model year" means the calendar year of manufacture.

"Motor Vehicle": As used in this section "motor vehicle" shall have the same meaning as in the Illinois Vehicle Code (Ill. Rev. Stat. 1985, ch. 95 1/2, par. 1-146).

"Officer": A uniformed member of the Department of the Illinois State Police.

"Opacity": A condition which renders material partially or wholly impervious to the transmittance of light, and causes the obstruction of an observer's view the percentage of light obstructed from passage through an exhaust smoke plume.

"Owner": The person registered by the Illinois Secretary of State or its equivalent in another state, as the owner of the vehicle.

"Persons Liable": All persons owning, operating or in charge or control of any equipment who shall cause or permit or participate in any violation of these rules and regulations either as owner, operator, lessee or lessor.

"Post-repair Inspection": A repeat emission control system inspection procedure for the purpose of determining compliance of a cited vehicle.

"Post-repair Test": A repeat test procedure for the purpose of determining compliance of a cited vehicle.

"Remove from Service": The towing and storage of a vehicle under the auspices of the Illinois State Police.

"Repair Facility": Any place where heavy-duty vehicles are repaired, rebuilt, reconditioned, or in any way maintained for the public at a charge, and fleet maintenance facilities.

"Smokemeter": A detection device used to measure the opacity of smoke in percent opacity.

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"Snap-idle Cycle": Rapidly depressing the accelerator pedal from normal idle to the full power position, holding the pedal in the position for no longer than ten seconds or until the engine reaches maximum speed, and fully releasing the pedal so that the engine decelerates to normal idle.

"Tampered": Conditions or components of a vehicle related to emissions control that are missing, modified, or disconnected.

"Test Opacity": The smokemeter measurement of opacity for the purpose of determining compliance with section 240.142(a) and (b).

"Test Procedure": Means the preconditioning sequence and smoke opacity measurement processes for determining compliance with section 240.142.

"Two-Speed Idle Test": A vehicle emission test procedure consisting of the measurements of exhaust emission in high idle and idle modes.

(SOURCE: Amended at 15 Ill. Reg. _____, effective _____).

SUBPART B: EMISSIONS

Section 240.122 Diesel Engine Emission Standards for Locomotives

a) ~~The visible emission standard in Section 240.121 shall not apply to diesel engines.~~

b) ~~With the exception of subsection (e), diesel engines manufactured before January 1, 1970, shall not be operated in such a manner as to emit smoke which is equal to or greater than 30% opacity except for individual smoke puffs. Individual puffs of smoke shall not exceed 15 seconds in duration.~~

e)

1) ~~Diesel engines shall be operated only on the specific fuels as specified in the engine manufacturers' specifications of that specific engine, or on fuels exceeding engine manufacturers' specifications.~~

2) ~~Persons liable for operating diesel engine fleets wholly within standard metropolitan statistical areas shall~~

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~~furnish to the Environmental Protection Agency, once each year, proof that the fuel purchased and used in their operations conform to subsection (c)(1).~~

~~d) All diesel engines operated on public highways in Illinois coming from out of the State shall conform to subsection (b).~~

~~e) a)~~

1) No person shall cause or allow the emission of smoke from any diesel locomotive in the State of Illinois to exceed thirty percent (30%) opacity.

2) Subsection ~~(e)~~(a)(1) shall not apply to:

A) Smoke resulting from starting a cold locomotive: for a period of time not to exceed 30 minutes.

B) Smoke emitted while accelerating under load from a throttle setting other than idle to a higher throttle setting: for a period of time not to exceed 40 seconds.

C) Smoke emitted upon locomotive loading following idle: for a period of time not to exceed 2 minutes.

D) Smoke emitted during locomotive testing, maintenance, adjustment, rebuilding, repairing or breaking in: for a period of time not to exceed 3 consecutive minutes and an aggregate of 10 minutes in any 60 minute period.

E) Smoke emitted by a locomotive which because of its age of design makes replacement or retrofit parts necessary to achieve smoke reduction unavailable. These locomotives shall be retired at the earliest possible time.

(SOURCE: Amended at 15 Ill. Reg. _____, effective _____).

SUBPART C: HEAVY-DUTY DIESEL SMOKE EMISSION TEST PROCEDURE, AND HEAVY-DUTY VEHICLE EMISSION CONTROL SYSTEM INSPECTIONS

Section 240.140 Applicability

This subpart applies to all diesel-powered vehicles with a 8,000 pounds or greater manufacturer's maximum gross vehicle weight

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rating (GVWR) operating in the State of Illinois.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.141 Responsibilities During Inspection Procedure

a) The driver of a heavy duty diesel vehicle selected to undergo the inspection procedure shall do all of the following:

1) Drive the vehicle to the inspection site upon direction of an officer;

2) Perform the test procedure upon request by an inspector;

3) Open the vehicle door so that the inspector can observe the driver depress the accelerator pedal;

4) Permit an emission control system inspection upon the request of the inspector; and

5) Sign the citation to acknowledge its receipt and the smoke test strip chart to acknowledge performance of the test procedure.

b) The driver of a heavy-duty gasoline or diesel vehicle selected to undergo the inspection procedure shall:

1) Drive the vehicle to the inspection site upon direction of an officer;

2) Permit an emission control system inspection upon request of the inspector; and

3) Sign the citation to acknowledge its receipt.

c) The inspector in performing the inspection procedure shall do all of the following:

1) Advise the driver that refusal to submit to the inspection procedure is a violation of these regulations;

2) Obtain engine identification information from a vehicle that has a smoke opacity level between forty (40) percent and fifty-five (55) percent, when tested pursuant to section 240.142(f), to determine whether the opacity standard in section 240.142(a) or 240.142(b) would apply;

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- 3) Issue a copy of the citation to the driver of a vehicle that fails the test procedure or the emission control system inspection; and
- 4) Issue a warning to the owner of a heavy-duty diesel-powered vehicle with a missing emission control label that the engine serial or identification number must be provided to the State Police within thirty (3) calendar days or it will be conclusively presumed that the vehicle has a certification level equal to or less than thirty-five (35) percent peak smoke.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.142 Heavy-Duty Diesel Vehicle Smoke Opacity Test Procedure

- a) No heavy-duty diesel-powered vehicle with a federal peak smoke engine certification level of thirty-five (35) percent peak opacity or less operating on the roadways within the state of Illinois shall exceed forty (40) percent peak smoke opacity when tested in accordance with this section.
- b) No other heavy-duty diesel-powered vehicle operating on the roadways within the state of Illinois shall exceed fifty-five (55) percent peak smoke opacity when tested in accordance with this section.
- c) In the event that a 1974 or later model-year heavy-duty diesel-powered vehicle's engine identification cannot be determined by the inspector in order to determine the federal smoke certification level, the owner, within thirty (30) calendar days of the inspection, shall provide the State Police with the engine identification information. If the owner fails to comply with this requirement, it is conclusively presumed for the purpose of subsequent smoke emission inspections that the vehicle has a federal peak smoke certification level equal to or less than thirty-five (35) percent peak smoke opacity, and the test standard in 240.142(a) shall apply.
- d) Manufacturers of heavy-duty diesel-powered engines shall, within sixty (60) calendar days of the effective date of this section provide to the State Police the certification levels by model-year for each engine family that it has certified to levels above thirty-five (35) percent peak opacity and a complete list of engine identification numbers for each of these engine families.

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- e) The smoke opacity measurement equipment shall consist of a light extinction type smoke meter which includes an optical detection unit, a control/indicator unit, and a strip chart recorder.
 - 1) The smoke meter shall provide for full flow, end of line, and continuous measurement of exhaust opacity, and be calibrated according to manufacturer's specifications; and
 - 2) The smoke meter and strip chart recorder shall comply to specifications in Society of Automotive Engineers (SAE) report number J1243, section 7 entitled "Smoke Measuring Equipment and Instrumentation".
- f) The test procedure shall consist of preparation, preconditioning, and test phases.
 - 1) In the preparation phase, the vehicle shall be placed at rest, the transmission shall be placed in neutral, and the vehicle wheels shall be properly restrained to prevent any rolling motion.
 - 2) In the preconditioning phase, the vehicle shall be put through a snap-idle cycle two or more times until successive measured smoke levels are within ten (10) opacity percent of each other. The smoke meter shall be rechecked prior to the preconditioning sequence to determine that its zero and span setting are adjusted to manufacturer's specifications.
 - 3) In the test phase, the vehicle shall be put through the snap-idle cycle three times.
 - A) The smoke opacity shall be measured during the preconditioning and test phases with a smoke meter and shall be recorded continuously on the chart recorder during each snap-idle cycle. The maximum instantaneous value recorded by the chart recorder shall be the smoke opacity reading.
 - B) The test opacity to determine compliance with (a) and (b) above shall be the average of the two meter readings with the least difference in opacity values. If all three readings have successive equivalent differences between them, the test opacity shall be the average of the three readings.

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(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.143 Heavy-Duty Vehicle Emission Control System Inspection

a) The heavy-duty diesel-powered vehicle emission control components subject to inspection for tampered or defective conditions include, but are not limited to, the following:

- 1) The engine governor;
- 2) Any seals and/or covers protecting the air-fuel ratio adjustments;
- 3) Any fuel injection pump seals and covers;
- 4) The air cleaner and flow restriction indicator;
- 5) The exhaust gas recirculation valve;
- 6) The particulate matter trap system or catalytic converter system, including pipes and valves;
- 7) Related hoses, connectors, brackets, and hardware for these components;

8) Engine computer controls, related sensors, and actuators;

9) Emission control label; and

10) Any other emissions-related components for a particular vehicle/engine as determined from the manufacturer's specifications, emission control label, certification data, or published vehicle parts manuals.

b) The heavy-duty gasoline-powered vehicle emission control components subject to inspection for tampered or defective conditions, include, but are not limited to the following:

- 1) The air injection system;
- 2) The positive crankcase ventilation system;
- 3) The exhaust gas recirculation system;
- 4) The catalytic converter, including pipes and valves;

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- 5) The evaporative emission control system;
- 6) Related hoses, connectors, brackets, and hardware for these components;
- 7) Engine computer controls, related sensors, and actuators;
- 8) On-Board Diagnostic (OBD) systems for 1994 and subsequent model year vehicles, if so equipped;

9) Emission control label; and

10) Any other emissions-related component for a particular vehicle/engine as determined from the manufacturer's specifications, emission control label, certification data, or published vehicle parts manuals.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.144 Refusal to Submit to Inspection Procedure

The refusal by an owner or driver of a vehicle to submit to the test procedure in Section 240.142 or the emission control system inspection in Section 240.143 constitutes a failure of the test procedure or inspection.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.145 Civil Penalty Schedule

a) The owner of a heavy-duty vehicle that fails the test procedure, or visual opacity test or the emission controls system inspection, including by refusal to submit, is subject to the following penalty schedule:

1) The owner of a vehicle that is cited for the first time and for which demonstration of correction is provided and payment is made within forty-five (45) calendar days from personal or certified mail receipt of the citation shall pay the minimum penalty of three hundred dollars (\$300).

2) The owner of a vehicle that is cited for the first time and for which demonstration of correction is not provided within forty-five (45) days from personal mail or certified mail receipt of the citation shall provide demonstration of correction and pay the minimum penalty

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of three hundred dollars (\$300) and the basic penalty of five hundred dollars (\$500) for a total of eight hundred dollars (\$800).

31) The owner of a vehicle that is cited within one year from the issuance of a previous citation for that vehicle shall within forty-five (45) calendar days from personal or certified mail receipt of the current citation provide demonstration of correction and pay the penalty of one thousand five hundred dollars (\$1,500) and the minimum penalty of three hundred dollars (\$300) for a total of one thousand eight hundred dollars (\$1,800).

4) All penalties under this subsection (a) shall be deposited in the Environmental Trust Fund.

b) If a vehicle fails the test procedure, the visual opacity test or an emission control system inspection one year or more after the date of its previous failure, the owner shall be subject to the penalty schedule in (a) (1) and (2) above.

c) If a bona fide change of vehicle ownership occurs between non-related persons or entities and the vehicle is subsequently cited within one year of the previous citation, the new owner shall be subject to the penalty schedule in (a) (1) and (2) above.

d) An owner who has been cited twice or more for tampered emission controls on the same vehicle shall be subject to the penalty in (a) (3) above.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.146

a) The owner may demonstrate correction of the vehicle by submitting to the Illinois State Police a repair receipt from a repair facility or a completed work order from a fleet repair or maintenance facility which contains the following information:

- 1) Name, address, and phone number of the facility:
- 2) Name of mechanic:
- 3) Date of the repair:

4) Description of component replacements, repairs, and/or adjustments: and

5) Itemized list of replaced components, including description of part, part number, and cost.

b) In lieu of submitting a repair receipt or a completed work order, the owner may demonstrate correction of the vehicle by submitting it to a post-repair inspection.

c) A post-repair inspection shall be required whenever a submitted repair receipt or work order does not comply with (a) above, or appears to be falsified. A post-repair test or inspection shall be required for second and subsequent failures of the test procedure or an emission control system inspection by a vehicle within a one year period.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.147 Vehicles Removed from Service

a) Vehicles are subject to removal from service by the Illinois State Police should there be a determination that one or more uncles violations exist at the time of inspection.

b) Upon payment by cashier's check or money order of all unpaid penalties for a vehicle that has been removed from service, the Illinois Environmental Protection Agency shall provide the owner, or designee, a release form for presentation to the Illinois State Police.

c) The release of the vehicle shall be subject to the condition that it be repaired and post-repair tested or inspected within fifteen (15) calendar days.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

Section 240.148 Twenty Percent Visual Opacity Test

a) No diesel-powered vehicle shall emit any visible emissions in excess of twenty percent (20%) visual opacity for more than 10 consecutive seconds. Exceeding this standard shall be a basis for issuing a citation for which the civil penalty schedule of Section 240.145 applies.

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b). Any person issued a citation under paragraph (a) of this section may, within five (5) days, request confirmation of violation of the standard in Section 240.142(a) and (b) by requesting a snapshot test by the Illinois State Police.

(SOURCE: Added at 15 Ill. Reg. _____, effective _____).

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED REPEALER

- 1) The Heading of the Part: DRUG MANUAL
- 2) Code Citation: 89 Ill. Adm. Code 141
- 3) Section Numbers: Proposed Action:

141.10	Repealed
141.100	Repealed
141.200	Repealed
141.240	Repealed
141.280	Repealed
141.320	Repealed
141.360	Repealed
141.400	Repealed
141.440	Repealed
141.480	Repealed
141.520	Repealed
141.560	Repealed
141.600	Repealed
141.640	Repealed
141.680	Repealed
141.720	Repealed
141.760	Repealed
141.800	Repealed
141.840	Repealed
141.880	Repealed
141.920	Repealed
141.960	Repealed
141.1000	Repealed
141.1040	Repealed
141.1080	Repealed
141.1120	Repealed
141.1125	Repealed
141.1160	Repealed
141.1200	Repealed
141.1240	Repealed
141.1280	Repealed
141.1320	Repealed
141.1360	Repealed
141.1400	Repealed
141.1480	Repealed
141.1500	Repealed
141.1520	Repealed
141.1560	Repealed
141.1600	Repealed
141.1640	Repealed
141.1680	Repealed
141.1720	Repealed

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED REPEALER

Section Numbers:	Proposed Action:
141.1760	Repealed
141.1800	Repealed
141.1840	Repealed
141.1880	Repealed
141.1920	Repealed
141.1960	Repealed
141.2000	Repealed
141.2040	Repealed
141.2080	Repealed
141.2120	Repealed
141.2160	Repealed
141.2200	Repealed
141.2240	Repealed
141.2280	Repealed
141.2320	Repealed
141.2360	Repealed
141.2400	Repealed
141.2440	Repealed
141.2480	Repealed
141.2520	Repealed
141.2560	Repealed
141.2600	Repealed
141.2680	Repealed
141.2720	Repealed
141.2760	Repealed
141.2800	Repealed
141.2840	Repealed
141.2880	Repealed
141.2920	Repealed
141.2960	Repealed
141.3000	Repealed
141.3040	Repealed
141.3080	Repealed
141.3120	Repealed
141.3160	Repealed
141.3200	Repealed
141.3240	Repealed
141.3280	Repealed
141.3320	Repealed
141.3360	Repealed
141.3400	Repealed
141.3440	Repealed
141.3480	Repealed
141.3520	Repealed
141.3560	Repealed
141.3600	Repealed

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED REPEALER

Section Numbers:	Proposed Action:
141.3640	Repealed
141.3680	Repealed
141.3720	Repealed
141.3760	Repealed
141.3800	Repealed
141.3840	Repealed
141.3880	Repealed
141.3920	Repealed
141.3960	Repealed
141.4000	Repealed
141.4080	Repealed
141.4120	Repealed
141.4160	Repealed
141.4200	Repealed
141.4230	Repealed
141.4240	Repealed
141.4280	Repealed
141.4320	Repealed
141.4360	Repealed
141.4440	Repealed
141.4480	Repealed
141.4520	Repealed
141.4560	Repealed
141.4600	Repealed
141.4640	Repealed
141.4680	Repealed
141.4720	Repealed
141.4760	Repealed
141.4800	Repealed

4) Statutory Authority: Sections 5-5.16 and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5.16 and 12-13) and Section 5.02 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1989, Ch. 127, Par. 1005.02)

5) A Complete Description of the Subjects and Issues Involved: Effective January 1, 1991, Section 4401 of the Omnibus Reconciliation Act of 1990 requires that coverage of drug products is limited to those drugs manufactured by manufacturers having rebate agreements with the Secretary of HHS. As a result, inclusion and exclusion of drug products from the Drug Manual will no longer be determinative of Department coverage.

NOTICE OF PROPOSED REPEALER

6) Will this Proposed Repealer replace an Emergency Repealer currently in effect? Yes

7) Does this rulemaking contain an automatic repeal date?
Yes ☐ No ☒

8) Does this Proposed Repealer contain incorporations by reference? No

9) Are there any other Proposed Amendments pending on this Part? No

10) Statement of Statewide Policy Objectives: This rulemaking has no effect on local governmental units.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Any interested parties may submit comments, data, views, or arguments concerning the proposed rulemaking. All comments must be in writing and should be addressed to Daniel Leikvold, Staff Attorney, Office of the General Counsel, Illinois Department of Public Aid, Jesse B. Harris Bldg. II, 3rd Flr., 100 South Grand Avenue East, Springfield, Illinois 62762 (217) 782-1233. The Department will consider all written comments it receives within 30 days of the date of publication of this notice.

12) Initial Regulatory Flexibility Analysis:

A) Date Proposed Repealer was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: August 15, 1991

B) Types of small businesses affected: Pharmacies and other providers who prescribe and/or dispense the drugs which are included in the Drug Manual.

C) Reporting, bookkeeping or other procedures required for compliance: Small businesses must be familiar with the Department's procedures for billing, securing approval and receiving payment for drugs which are covered under the Medical Assistance Program.

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D) Types of professional skills necessary for compliance: No additional professional skills required.

The full text of the Proposed Repealer is identical to the text of the Emergency Repealer which appears in this issue of the Register on page 12799.

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1) The Heading of the Part: MEDICAL ASSISTANCE PROGRAMS2) Code Citation: 89 Ill. Adm. Code 1203) Section Numbers: Proposed Action:

120.50 Repealed
120.200 New Section
120.208 Repealed
120.210 Repealed
120.211 Repealed
120.212 Repealed
120.215 Repealed
120.216 Repealed
120.217 Repealed
120.218 Repealed
120.224 Repealed
120.225 Repealed
120.230 Repealed
120.235 Repealed
120.236 Repealed
120.240 Repealed
120.245 Repealed
120.250 Repealed
120.255 Repealed
120.260 Repealed
120.261 Repealed
120.262 Repealed
120.270 Repealed
120.271 Repealed
120.272 Repealed
120.273 Repealed
120.275 Repealed
120.276 Repealed
120.280 Repealed
120.281 Repealed
120.282 Repealed
120.283 Repealed
120.284 Repealed
120.285 Repealed
120.290 Repealed
120.295 Repealed

4) Statutory Authority: Sections 5-5, 6-11 and Article VII of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5 and 6-11 and Article VII, as amended and repealed respectively by Public Act 87-14, effective July 24, 1991)

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5) A Complete Description of the Subjects and Issues Involved: This rulemaking, along with related rulemaking in 89 Ill. Adm. Code 140 published simultaneously, does these things. First, the Aid to the Medically Indigent program is eliminated. Second, medical coverage for the Department's new State Transitional program under General Assistance (created by Public Act 87-14) is changed. Those clients will no longer be eligible for services provided by a hospital. Third, under the Department's Medicaid program, coverages of Chiropractic services and Podiatric services is eliminated. These services will not be available except through the EPSDT program when indicated as medically necessary by a screening.

6) Will these Proposed Amendments replace Emergency Amendments currently in effect? No7) Does this rulemaking contain an automatic repeal date?
Yes _____ X No _____8) Do these Proposed Amendments contain incorporations by reference? No9) Are there any other Proposed Amendments pending on this Part? Yes _____

Section Numbers	Proposed Action	Illinois Register Citation
120.12	Amendment	April 26, 1991 (15 Ill. Reg. 6089)
120.319	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.320	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.321	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.322	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.323	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.386	Amendment	May 17, 1991 (15 Ill. Reg. 7468)

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10) Statement of Statewide Policy Objectives: Local governmental units which receive State funds will have to change coverage based on there rules. This should have no fiscal effect or a positive fiscal effect. Local governmental units which administer medical institutions may be impacted as funds for services provided for the impacted clients will no longer be available.

11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking: Any interested parties may submit comments, data, views, or arguments concerning the proposed rulemaking. All comments must be in writing and should be addressed to Anita Williams, Staff Attorney, Office of the General Counsel, Illinois Department of Public Aid, Jesse B. Harris Building II, 100 South Grand Avenue East, 3rd Floor, Springfield, Illinois 62762 (217/782-1233). The Department will consider all written comments it receives within 30 days of the date of publication of this notice.

12) Initial Regulatory Flexibility Analysis: This rulemaking has no effect on small businesses.

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF PUBLIC AID

NOTICE OF PROPOSED AMENDMENTS

TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 120

MEDICAL ASSISTANCE PROGRAMS

SUBPART A: GENERAL PROVISIONS

Incorporation By Reference

SUBPART B: ASSISTANCE STANDARDS

Section
120.1

Section
120.10
120.11

120.20
120.30
120.31
120.40
120.50

Eligibility For Medical Assistance
Eligibility For Medical Assistance For Pregnant Women and Children Under Age Six Who Do Not Qualify As Mandatory Categorically Needy
MANG(AABD) Income Standard
MANG(C) Income Standard
MANG(P) Income Standard
Exceptions To Use Of MANG Income Standard
AMI Income Standard (Repealed)

SUBPART C: FINANCIAL ELIGIBILITY DETERMINATION

Section
120.60

120.61

120.62

120.63

120.64
120.65

All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six Who Do Not Qualify As Mandatory Categorically Needy
Cases in Intermediate Care, Skilled Nursing Care and DMHDD - MANG(AABD) and All Other Licensed Medical Facilities
Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings Under 89 Ill. Adm. Code 140.643
Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings
Pregnant Women and Children Under Age Six Years Who Do Not Qualify As Mandatory Categorically Needy
Department of Mental Health and Developmental Disabilities (DMHDD) Licensed Community - Integrated Living Arrangements

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SUBPART D: SUPPLEMENTARY MEDICAL INSURANCE

Section
120.70
Supplementary Medical Insurance Benefits, Buy-In Program
120.72
Eligibility for Medicare Cost Sharing as a Qualified Medicare Beneficiary (QMB)
120.74
Qualified Medicare Beneficiary (QMB) Income Standard
120.76
Hospital Insurance Benefits (HIB)

SUBPART E: RECIPIENT RESTRICTION PROGRAM

Section
120.80
Recipient Restriction Program

SUBPART F: MIGRANT MEDICAL PROGRAM

Section
120.90
Migrant Medical Program
120.91
Income Standards

SUBPART G: AID TO THE MEDICALLY INDIGENT

Section
120.200
Elimination Of Aid To The Medically Indigent
120.208
Client Cooperation (Repealed)
120.210
Citizenship (Repealed)
120.211
Residence (Repealed)
120.212
Age (Repealed)
120.215
Relationship (Repealed)
120.216
Living Arrangement (Repealed)
120.217
Supplemental Payments (Repealed)
120.218
Institutional Status (Repealed)
120.224
Foster Care Program (Repealed)
120.225
Social Security Numbers (Repealed)
120.230
Unearned Income (Repealed)
120.235
Exempt Unearned Income (Repealed)
120.236
Education Benefits (Repealed)
120.240
Unearned Income In-Kind (Repealed)
120.245
Earmarked Income (Repealed)
120.250
Lump Sum Payments and Income Tax Refunds (Repealed)
120.255
Protected Income (Repealed)
120.260
Earned Income (Repealed)
120.261
Budgeting Earned Income (Repealed)
120.262
Exempt Earned Income (Repealed)
120.270
Recognized Employment Expenses (Repealed)
120.271
Income From Work/Study/Training Program (Repealed)
120.272
Earned Income From Self-Employment (Repealed)
120.273
Earned Income From Roomer and Boarder (Repealed)

Section
120.275
Earned Income In-Kind (Repealed)
120.276
Payments from the Illinois Department of Children and Family Services (Repealed)
120.280
Assets (Repealed)
120.281
Exempt Assets (Repealed)
120.282
Asset Disregards (Repealed)
120.283
Deferral of Consideration of Assets (Repealed)
120.284
Spend-down of Assets (AMI) (Repealed)
120.285
Property Transfers (Repealed)
120.290
Persons Who May Be Included in the Assistance Unit (Repealed)
120.295
Payment Levels for AMI (Repealed)

SUBPART H: MEDICAL ASSISTANCE - NO GRANT

Section
120.308
Client Cooperation
120.309
Caretaker Relative
120.310
Citizenship
120.311
Residence
120.312
Age
120.313
Blind
120.314
Disabled
120.315
Relationship
120.316
Living Arrangements
120.317
Supplemental Payments
120.318
Institutional Status
120.319
Assignment of Rights to Medical Support and Collection of Payment
120.320
Cooperation in Establishing Paternity and Obtaining Medical Support
120.321
Good Cause for Failure to Cooperate in Establishing Paternity and Obtaining Medical Support
120.322
Proof of Good Cause for Failure to Cooperate in Establishing Paternity and Obtaining Medical Support
120.323
Suspension of Paternity Establishment and Obtaining Medical Support Upon Finding Good Cause
120.324
Foster Care Program
120.325
Social Security Numbers
120.330
Unearned Income
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Budgeting Unearned Income
120.335
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120.336
Education Benefits
120.338
Incentive Allowance
120.340
Unearned Income In-Kind
120.342
Court Ordered Child Support Payments of Parent/Step-Parent
120.345
Earmarked Income

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Section 120.235 Exempt Unearned Income (Repealed) (Cont'd)

Section 120.235 Exempt Unearned Income (Repealed) (Cont'd)

d) Any per capita judgment funds paid under Public Law 92-254 to members of the Blackfeet Tribe of the Blackfeet Indian Reservation, Montana and the Gros Ventre Tribe of the Fort Belknap Reservation, Montana (25-U.S.G.-1264)†

k) Any payment received under Title I of P.L. 100-383 of the Civil Liberties Act of 1988 (50-U.S.G.-1989b thru 1989b-8)†

e) Any benefits received under Title VII, Nutrition Program for the Elderly, of the Older Americans Act of 1965, as amended (42-U.S.G.-3030e)†

l) Any payment received under Title II of P.L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50-U.S.G.-1989e thru 1989e-8)†

f) Any compensation provided to individual volunteers under the Retired Senior Volunteer Program (42-U.S.G.-5001) and the Foster Grandparent Program and Older Americans Community Service Programs established under Title II of the Domestic Volunteer Service Act (42 U.S.G.-5001 thru 5023), as amended†

m) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A.-86-921†

(Source: Repealed at 15 Ill. Reg. ___, effective ___)

g) Income in an amount not greater than \$650 received by a beneficiary of life insurance which is expended on the funeral and burial of an insured recipient†

Section 120.236 Education Benefits (Repealed)

h) Income received under the provisions of Section 4(e) of the Senior Citizens and Disabled Persons Property Tax Relief and Pharmaceutical Assistance Act (Ill. Rev. Stat. 1989, Ch. 67, par. 1/2, par. 404 (e))†. This includes both the benefits commonly known as the circuit breaker and additional grants†

a) That portion of an educational benefit which is actually used for items such as tuition, books, fees, equipment, transportation, and child care expenses necessary for school attendance shall be exempt†

i) Payments to volunteers under the 1973 Domestic Volunteer Service Act (48-U.S.G.-5044 (g))†. These include†

1) Veterans Educational Assistance

Income from educational benefits paid to a veteran or to a dependent of a veteran shall be exempt only to the extent that it is applied toward educational expenses†

2) Social Security Administration Benefits

1) Vista Volunteers (For AMI the income is exempt if the client was receiving public assistance at the time of becoming a Vista Volunteer)†

Income received as an SSA benefit paid to or for an individual and conditioned upon the individual's regular attendance in a school, college or university, or a course of vocational or technical learning, shall be exempt to the extent that it is applied toward educational expenses†

2) Volunteers serving as senior health aides, senior companions, or foster grandparents†

3) Loans and Grants

3) Persons serving in the Service Corps of Retired Executives (SCORE) or the Active Corps of Executives (ACE)†

Income from educational loans and grants obtained and used under conditions that preclude their use for current living costs shall be exempt†

b) The client must be participating in an education or

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Section 120.236 Education Benefits (Repealed) (Cont'd)

training program which has been approved by the Department.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.240 Unearned Income In-Kind (Repealed)

a) Unearned income in-kind is payment made by a non-member of the assistance unit in behalf of or in the name of a member of the assistance unit.

b) Payments made by a non-member of the assistance unit for obligations incurred in the name of a member of the assistance unit shall be considered non-exempt, unearned income. A payment obligation shall be considered as having been incurred in an individual's name if:

1) The individual has signed an agreement to pay for a debt or service. Examples include mortgages and other loans, utilities, charge accounts, credit cards, leases.

2) There is no signed agreement but the provider of goods or services expects the individual to make payment. Examples include rent, child care, private school tuition.

e) Payments made by a non-member of the assistance unit for obligations incurred jointly in the names of assistance unit members and non-assistance unit members shall be considered unearned income in the same proportion as the payment obligation of the assistance unit member(s).

d) When the assistance unit shares a dwelling unit with another family or individual(s), the exchange of each for purposes of satisfying payment of shelter related obligations shall not constitute an income in-kind payment and shall not be considered available to meet the needs of the person who receives and disburses the shelter related payment.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

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Section 120.245 Earmarked Income (Repealed)

a) Earmarked income is income restricted for the use of a specified individual by court order or by legal stipulation of a contributor.

b) Earmarked income shall be restricted to meet the need of the person for whom it is intended, unless the head of the household decides that such income should be applied to the needs of the total assistance unit and that decision would be to the advantage of that unit.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.250 Lump Sum Payments and Income Tax Refunds (Repealed)

Lump sum payments shall be considered available for the established three-month period in which it is received.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.255 Protected Income (Repealed)

Supplemental Security Income (SSI) shall be protected income which shall not be considered available to meet the needs of any other individual.

Agency Note: Retroactive lump sum payments made by the Social Security Administration to SSI recipients are not protected income but are to be considered as any other lump sum payment.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.260 Earned Income (Repealed)

a) All currently available income which is not specified as exempt shall be considered in the determination of eligibility and the level of the assistance payment.

b) Earned income is remuneration acquired through the receipt of salaries or wages for services performed as an employee or profits from an activity in which the individual is self-employed.

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Section 120.215 Relationship (Repealed) (Cont'd)

- e) A child conceived or born in wedlock is presumed to be the child of that marriage in the absence of a court finding to the contrary.
- d) The child may be living with a non-relative who is the legal guardian of the child.
- e) When the required relationship exists between the child and the relative or non-relative, the relative or non-relative is referred to as an adult.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.216 Living Arrangement (Repealed)

- a) Adult cases not applicable

- b) Family cases: all persons included in the assistance unit must be residing in the same household.

- e) To be included in the assistance unit as a child, the child must be living with an adult who exercises primary responsibility for the care and supervision of the child, even though either the child or the adult is temporarily absent from the customary family setting.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.217 Supplemental Payments (Repealed)

In an individual is eligible for State Supplemental Payments (SSP), that individual may not receive AMI.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.218 Institutional Status (Repealed)

- a) Individuals residing in non-medical, public institutions or receiving non-medical care in a medical public institution, other than an individual receiving shelter care in a county-owned and operated institution are ineligible for assistance. These

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Section 120.218 Institutional Status (Repealed) (Cont'd)

Individuals shall be eligible for assistance while temporarily discharged for purpose of obtaining necessary medical care provided all eligibility requirements are met.

- b) Individuals confined in or under the jurisdiction of any local, state or federal penal or correctional institution or law enforcement authority are ineligible for assistance.

- e) Residents of a private psychiatric hospital or a public tuberculosis hospital certified for participation in the Medicare program who are 65 years of age or older may be eligible for assistance. These individuals residing in a private psychiatric hospital or a public tuberculosis hospital not certified to participate in the Medicare Program are not eligible for public assistance.

- d) Individuals under age 21 residing in a private psychiatric hospital having JGAM accreditation may also be eligible for public assistance.

- e) A resident of a private institution who has a contract with the institution providing for his total needs throughout his life is ineligible as no needs remain to be met.

- f) Residents of private institutions (other than those who have purchased life care contracts) are ineligible for public assistance when they have purchased care and maintenance to provide for all their needs in the institution and the amount paid has not been wholly consumed for care.

- g) Individuals living in a public or a private facility which has official policies and administrative procedures which are not in conformance or in conflict with the Public Aid Code provision of Department rules governing eligibility for public assistance are ineligible for public assistance.

- h) Individuals residing in a public tuberculosis or state psychiatric hospital are not eligible for AMI.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

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Section 120.224 Foster Care Program (Repealed)

a) A child is eligible for AMI when:

1) The child has been removed from the home of a specified relative as a result of court action, is a child for whom DCFS is legally responsible, and has been placed in foster care (foster care homes, or private non-profit, group home institution) which is licensed or approved by the Department of Children and Family Services; and

2) The child was eligible for and receiving AFDC in or for the month in which court action was initiated leading to placement; or

3) The child met the citizenship, age, residence, need, and lack of parental support or care criteria for AFDC at the time of initiation of court action and lived with a specified relative at any time within the six (6) months prior to the initiation of court action leading to placement; and

4) The child continues to meet AFDC eligibility requirements of age, need, lack of parental support or care, and registration/participation requirements.

b) An application for AFDC-F must be signed by an authorized representative of the Department of Children and Family Services.

c) Assistance under the AFDC-F program is effective from the latter of the date:

1) that a completed application is received by the Department; or

2) the child is actually placed in foster care.

d) A foster parent who is a specified relative of an eligible foster child placed in the foster parent's care may receive assistance for the child under either the AFDC-R/AFDC-U or the AFDC-F program.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

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Section 120.225 Social Security Numbers (Repealed)

a) The furnishing of a Social Security Number by AMI applicants and recipients is desirable although not an eligibility requirement.

b) AMI applicants and recipients shall be advised:

1) that disclosure of a Social Security Number is voluntary;

2) by what statute the Social Security Number is requested; and

3) that the Social Security Number will be used only in the administration of the AMI program.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.230 Unearned Income (Repealed)

a) All currently available, unearned income which is not specified as exempt shall be considered in the determination of eligibility and the level of the assistance payment.

b) Unearned income is all income other than that received in the form of salary for services performed as an employee or profits from self-employment.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.235 Exempt Unearned Income (Repealed)

The following unearned income shall be exempt from consideration in determining AMI eligibility.

a) The value of the coupon allotment under the Food Stamp Act of 1977 (7-U.S.C. 2017(b)).

b) The value of the U.S. Department of Agriculture donated foods (surplus commodities).

c) Any payment received under the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42-U.S.C. 4636).

Section 120.50

AMI Income Standard (Repealed) (Cont'd)

Number-in Family

Monthly-Net Income

Six-Month Net-Income

1	166	996
2	221	1326
3	275	1650
4	331	1986
5	386	2316
6	441	2646
7	496	2976
8	551	3306
9	607	3642
10	662	3972
More-than-10	Add-\$55-for-each additional-family member	Add-\$330-for each-additional family-member

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

SUBPART G: AID TO THE MEDICALLY INDIGENT

Section 120.200 Elimination Of Aid To The Medically Indigent

Effective August 1, 1991, the Aid to the Medically Indigent Program (AMI) was eliminated pursuant to Public Act 87-14. Any references to the AMI program contained in the Department's rules are obsolete and of no effect as of August 1, 1991.

(Source: Added at 15 Ill. Reg. _____, effective _____)

Section 120.208 Client Cooperation (Repealed)

a) As-a-condition-of-eligibility, clients-must-cooperate-

1) in-the-determination-of-eligibility;

2) with-Department-programs-conducted-for-the-purposes-of-acquisition-of-verification-of-information-upon-which-eligibility-may-depend;

3) in-applying-for-all-financial-benefits-for-which-they-may-qualify-and-to-avail-themselves-of-such-benefits-at-the-earliest-possible-date;

Section 120.208 Client Cooperation (Repealed) (Cont'd)

b) Clients-are-required-to-avail-themselves-of-all-potential-resources;

e) When-eligibility-cannot-be-conclusively-determined because-the-individual-is-unwilling-or-fails-to-provide-essential-information-or-to-consent-to-verification, the-client-is-ineligible;

d) At-screening, applicants-shall-be-informed, in-writing, of-any-information-they-are-to-provide-at-the-eligibility-interview;

e) At-the-eligibility-interview-or-at-any-time-during-the-application-process, when-the-applicant-is-requested-to-provide-information-in-his-or-her-possession, the-Department-will-allow-ten-(10)-days-for-the-return-of-the-requested-information--The-first-day-of-the-ten-(10)-day-period-is-the-calendar-day-following-the-date-the-information-request-form-is-sent-or-given-to-the-applicant--The-last-day-of-the-ten-(10)-day-period-shall-be-a-work-day-and-is-to-be-indicated-on-the-information-request-form--It-is-to-be-indicated-on-the-information-request-form-that-the-applicant-shall-provide-written-verification-of-the-request-for-the-third-party-information--If-the-applicant-does-not-provide-the-information--the-verification-that-the-information-was-requested-by-the-date-on-the-information-request-form, the-application-shall-be-denied-on-the-following-work-day;

f) At-the-eligibility-interview-or-at-any-time-during-the-application-process, when-the-applicant-is-requested-to-provide-third-party-information, the-Department-shall-allow-ten-(10)-days-for-the-return-of-the-requested-information-or-for-verification-that-the-third-party-information-has-been-requested--The-first-day-of-the-ten-(10)-day-period-is-the-calendar-day-following-the-date-the-information-request-form-is-sent-or-given-to-the-applicant--The-last-day-of-the-ten-(10)-day-period-shall-be-a-work-day-and-is-to-be-indicated-on-the-information-request-form--It-is-to-be-indicated-on-the-information-request-form-that-the-applicant-shall-provide-written-verification-of-the-request-for-the-third-party-information--If-the-applicant-does-not-provide-the-information--the-verification-that-the-information-was-requested-by-the-date-on-the-information-request-form, the-application-shall-be-denied-on-the-following-work-day;

i) Third-party-information-is-defined-as-information-which-must-be-provided-by-someone-other-than-the

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Section 120.208 Client Cooperation (Repealed) (Cont'd)

- applicant. An authorized representative or person applying on another's behalf is not a third party but is treated as if he were the applicant.
- 2) The Department shall advise clients of the need to provide written verification of third party information requests and the consequences of failing to provide such verification.
- 3) If the applicant requests an extension either verbally or in writing in order to obtain third party information and provides written verification of the request for the third party information such as a copy of the request that was sent by the third party, an extension of ninety (90) days from the date of application shall be granted. The first day of the ninety (90) day period is the calendar day following the date of application. The 90th day must be a work day.
- 4) If an applicant's attempt to obtain third party information is unsuccessful, upon the applicant's request the Department will assist in securing evidence to support the client's eligibility for assistance.
- g) A client who is eligible or capable of acquiring eligibility to receive Categorical Assistance must apply for and take all steps necessary to acquire categorical eligibility as a condition of eligibility for AMI of the client and any dependents who eligibility is contingent on the client's eligibility.
- h) An individual who is ineligible for Medicaid because of failure to cooperate with the Department in obtaining third party medical support or medical payments is not eligible for AMI.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.210 Citizenship (Repealed)

Not applicable

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

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Section 120.211 Residence (Repealed)

- Residence in Illinois is not an eligibility factor. However:
- a) Non-residents who come to Illinois for the sole purpose of obtaining medical care are not eligible for AMI or for payment of funeral and burial costs.
- b) For non-residents of Illinois in order for eligibility to exist for funeral and/or burial the individual must be present in Illinois at the time of death.
- (Source: Repealed at 15 Ill. Reg. _____, effective _____)
- Section 120.212 Age (Repealed)
- Age is not a criterion for inclusion in the assistance unit, except for:
- School attendance and Illinois State Employment Service (ISES) registration requirements are not eligibility factors for children included in AMI cases.
- (Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.215 Relationship (Repealed)

- a) The child(ren) must be living with blood relatives, step-relatives or adoptive relatives in that relative's home. A home is the family setting shared by the specified relative and the child. A home need not be a fixed dwelling if the family has none.
- b) The required relationship does not exist between a child born out of wedlock and the child's father or the father's relatives unless:
- 1) paternity has been adjudicated;
 - 2) the father has acknowledged paternity in an open court within the last two years or has acknowledged paternity by notarized written statement within the last two years or
 - 3) has contributed to the child's support within the last two years and had previously acknowledged paternity in an open court or by notarized written statement.

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Section
 120.346 Medicaid Qualifying Trusts
 120.350 Lump Sum Payments and Income Tax Refunds
 120.355 Protected Income
 120.360 Earned Income
 120.361 Budgeting Earned Income
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 120.364 Earned Income Exemption
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 120.370 Recognized Employment Expenses
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 120.393 Pregnant Women And Children Under Age Eight Years Who Do Not Qualify As Mandatory Categorically Needy Demonstration Project.
 120.395 Payment Levels for MANG
 120.399 Redetermination of Eligibility

AUTHORITY: Implementing Articles III, IV, V, VI and VII and authorized by Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq. and 12-13)

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2 Ill. Reg. 46, p. 44, effective November 1, 1978;

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peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amended at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979; peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982, amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June

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2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; amended at 7 Ill. Reg. 394, effective January 1, 1983; codified at 7 Ill. Reg. 6082; amended at 7 Ill. Reg. 8256, effective July 1, 1983; amended at 7 Ill. Reg. 8264, effective July 5, 1983; amended (by adding section being codified with no substantive change) at 7 Ill. Reg. 14747; amended (by adding sections being codified with no substantive change) at 7 Ill. Reg. 16108; amended at 8 Ill. Reg. 5253, effective April 9, 1984; amended at 8 Ill. Reg. 6770, effective April 27, 1984; amended at 8 Ill. Reg. 13328, effective July 16, 1984; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17897; amended at 8 Ill. Reg. 18903, effective September 26, 1984; peremptory amendment at 8 Ill. Reg. 20706, effective October 3, 1984; amended at 8 Ill. Reg. 25053, effective December 12, 1984; emergency amendment at 9 Ill. Reg. 830, effective January 3, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 4515, effective March 25, 1985; amended at 9 Ill. Reg. 5346, effective April 11, 1985; amended at 9 Ill. Reg. 7153, effective May 6, 1985; amended at 9 Ill. Reg. 11346, effective July 8, 1985; amended at 9 Ill. Reg. 12298, effective July 25, 1985; amended at 9 Ill. Reg. 12823, effective August 9, 1985; amended at 9 Ill. Reg. 15903, effective October 4, 1985; amended at 9 Ill. Reg. 16300, effective October 10, 1985; amended at 9 Ill. Reg. 16906, effective October 18, 1985; amended at 10 Ill. Reg. 1192, effective January 10, 1986; amended at 10 Ill. Reg. 3033, effective January 23, 1986; amended at 10 Ill. Reg. 4907, effective March 7, 1986; amended at 10 Ill. Reg. 6966, effective April 16, 1986; amended at 10 Ill. Reg. 10688, effective June 3, 1986; amended at 10 Ill. Reg. 12672, effective July 14, 1986; amended at 10 Ill. Reg. 15649, effective September 19, 1986; amended at 11 Ill. Reg. 3992, effective February 23, 1987; amended at 11 Ill. Reg. 7652, effective April 15, 1987; amended at 11 Ill. Reg. 8735, effective April 20, 1987; emergency amendment at 11 Ill. Reg. 12458, effective July 10, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 14034, effective August 14, 1987; amended at 11 Ill. Reg. 14763, effective August 26, 1987; amended at 11 Ill. Reg. 20142, effective January 1, 1988; amended at 11 Ill. Reg. 20898, effective December 14, 1987; amended at 12 Ill. Reg. 904, effective January 1, 1988; amended at 12 Ill. Reg. 3516, effective January 22, 1988;

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amended at 12 Ill. Reg. 6234, effective March 22, 1988; amended at 12 Ill. Reg. 8672, effective May 13, 1988; amended at 12 Ill. Reg. 9132, effective May 20, 1988; amended at 12 Ill. Reg. 11483, effective June 30, 1988; emergency amendment at 12 Ill. Reg. 11632, effective July 1, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 11839, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12835, effective July 22, 1988; emergency amendment at 12 Ill. Reg. 13243, effective July 29, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 17867, effective October 30, 1988; amended at 12 Ill. Reg. 19704, effective November 15, 1988; amended at 12 Ill. Reg. 20188, effective November 23, 1988; amended at 13 Ill. Reg. 116, effective January 1, 1989; amended at 13 Ill. Reg. 2081, effective February 3, 1989; amended at 13 Ill. Reg. 3908, effective March 10, 1989; emergency amendment at 13 Ill. Reg. 11929, effective June 27, 1989, for a maximum of 150 days; emergency expired November 25, 1989; emergency amendment at 13 Ill. Reg. 12137, effective July 1, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 15404, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16586, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 13 Ill. Reg. 17483, effective October 31, 1989; amended at 13 Ill. Reg. 17838, effective November 8, 1989; amended at 13 Ill. Reg. 18872, effective November 17, 1989; amended at 14 Ill. Reg. 760, effective January 1, 1990; emergency amendment at 14 Ill. Reg. 1494, effective January 2, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 4233, effective March 5, 1990; emergency amendment at 14 Ill. Reg. 5839, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 6372, effective April 16, 1990; amended at 14 Ill. Reg. 7637, effective May 10, 1990; amended at 14 Ill. Reg. 10396, effective June 20, 1990; amended at 14 Ill. Reg. 13227, effective August 6, 1990; amended at 14 Ill. Reg. 14814, effective September 3, 1990; amended at 14 Ill. Reg. 17004, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 348, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 5302, effective April 1, 1991; amended at 15 Ill. Reg. 10101, effective June 24, 1991; amended at 15 Ill. Reg. _____, effective August 16, 1991; amended at 15 Ill. Reg. _____, effective _____.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE

SUBPART B: ASSISTANCE STANDARDS

Section 120.50 AMI Income Standard (Repealed)

~~The AMI Income Standard is applicable to both family and adult cases.~~

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- 1) The Heading of the Part: MEDICAL PAYMENT
2) Code Citation: 89 Ill. Adm. Code 140
3) Section Numbers: Proposed Action:

140.2 Amendment
140.3 Amendment
140.5 Amendment
140.400 Amendment
140.425 Repealed
140.426 Repealed
140.428 Repealed
140.440 Amendment
140.441 Amendment
140.442 Amendment
140.449 Amendment
140.TABLE E Amendment
140.TABLE F Repealed

- 4) Statutory Authority:

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425,
140.426, 140.428, 140.Table E and 140.Table F.

Sections 5-5, 6-11 and Article VII of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5, 6-11 and Article VII, as amended and repealed respectively by Public Act 87-14, effective July 24, 1991)

89 Ill. Adm. Code 140.440, 140.441, 140.442 and 140.449

Sections 5-5.1 et seq. and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5.1 et seq. and 12-13)

- 5) A Complete Description of the Subjects and Issues Involved:

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425,
140.426, 140.428, 140.Table E and 140.Table F

This rulemaking, along with related rulemaking in 89 Ill. Adm. Code 120, published simultaneously, does three things. First, the Aid to the Medically Indigent program is eliminated. Second, medical coverage for the Department's new State Transitional program under General Assistance (created by Public Act 87-14) is changed. Those clients will no longer be eligible for services provided by a hospital. Third, under the Department's Medical program,

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coverage of Chiropractic services and Podiatric services is eliminated. These services will not be available except through the EPSDT program when indicated as medically necessary by a screening.

89 Ill. Adm. Code 140.440 thru 140.442 and 140.449

Effective January 1, 1991, Section 4401 of the Omnibus Budget Reconciliation Act of 1990 limits coverage of drugs to those products manufactured by manufacturers having rebate agreements with the Department of Health and Human Services. This rulemaking incorporates those requirements.

- 6) Will these Proposed Amendments replace Emergency Amendments currently in effect?

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425,
140.426, 140.428, 140.Table E and 140.Table F

No

89 Ill. Adm. Code 140.440 thru 140.442 and 140.449

Yes

- 7) Does this rulemaking contain an automatic repeal date?

Yes ☒ No

- 8) Do these Proposed Amendments contain incorporations by reference? No

- 9) Are there any other Proposed Amendments pending on this Part? Yes

Section Numbers Proposed Action Illinois Register Citation

140.11 Amendment May 10, 1991
(15 Ill. Reg. 6949)

140.71 Amendment December 21, 1990
(15 Ill. Reg. 20170)

140.460 Amendment April 5, 1991
(15 Ill. Reg. 4903)

140.461 Amendment April 5, 1991
(15 Ill. Reg. 4903)

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Section Numbers Proposed Action Illinois Register Citation

140.462	Amendment	April 5, 1991 (15 Ill. Reg. 4903)
140.463	Amendment	April 5, 1991 (15 Ill. Reg. 4903)
140.465	Repealed	April 5, 1991 (15 Ill. Reg. 4903)
140.514	Amendment	August 16, 1991 (15 Ill. Reg. 11555)
140.518	Amendment	July 5, 1991 (15 Ill. Reg. 9885)
140.560	Amendment	April 19, 1991 (15 Ill. Reg. 5585)
140.561	Amendment	May 17, 1991 (15 Ill. Reg. 7482)
140.569	Amendment	June 14, 1991 (15 Ill. Reg. 8656)
140.980	New Section	August 9, 1991 (15 Ill. Reg. _____)
140.982	New Section	August 9, 1991 (15 Ill. Reg. _____)

10) Statement of Statewide Policy Objectives:

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425, 140.426, 140.428, 140.440 thru 140.442 and 140.449.

Local governmental units which receive State funds will have to change coverage based on these rules. This should have no fiscal effect or a positive fiscal effect. Local governmental units which administer medical institutions may be impacted as funds for services provided for the impacted clients will no longer be available.

89 Ill. Adm. Code 140.440 thru 140.442 and 140.449

This rulemaking has no effect on local governmental units.

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11) Time, Place, and Manner in which interested persons may comment on this proposed rulemaking:

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425, 140.426, 140.428, 140.440 thru 140.442 and 140.449.

Any interested parties may submit comments, data, views, or arguments concerning the proposed rulemaking. All comments must be in writing and should be addressed to David Peterson, Deputy General Counsel, Office of the General Counsel, Illinois Department of Public Aid, Jesse B. Harris Building II, 100 South Grand Avenue East, 3rd Floor, Springfield, Illinois 62762 (217/782-1233). The Department will consider all written comments it receives within 30 days of the date of publication of this notice.

89 Ill. Adm. Code 140.440 thru 140.442 and 140.449

Any interested parties may submit comments, data, views, or arguments concerning the proposed rulemaking. All comments must be in writing and should be addressed to Daniel Leikvold, Staff Attorney, Office of the General Counsel, Illinois Department of Public Aid, 100 South Grand Avenue East, 3rd Floor, Springfield, Illinois 62762 (217) 782-1233. The Department will consider all written comments it receives within 30 days of the date of publication of this notice.

12) Initial Regulatory Flexibility Analysis:

89 Ill. Adm. Code 140.2, 140.3, 140.5, 140.400, 140.425, 140.426, 140.428, 140.440 thru 140.442 and 140.449.

This rulemaking has no effect on small businesses.

89 Ill. Adm. Code 140.440 thru 140.442 and 140.449

- A) Date Proposed Amendments were submitted to the Business Assistance Office of the Department of Commerce and Community Affairs: August 20, 1991
- B) Types of small businesses affected: Medical Providers
- C) Reporting, bookkeeping or other procedures required for compliance: No new procedures required

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Section 120.285 Property Transfers (Repealed) (Cont'd)

- 1) A transfer of assets occurs when an applicant or recipient buys, sells or gives away real or personal property or changes (e.g., change from joint tenancy to tenancy in common) the way property is held.
- 2) A transfer is allowable if:
- A) the transfer occurred more than two years from the date of review
 - B) a fair market value was received. Fair market value is the price that an article or piece of property might be expected to bring if offered for sale in a fair market. Fair market value is determined by statements obtained from institutions, community members, etc. (e.g., bankers, jewelers, reputable realtors, etc.) recognized as having knowledge of property values.
 - C) the transfer was involuntary (e.g., tax sales, judgment sales, etc.)
 - D) the transfer was due to separation, divorce or other settlement (e.g., when the court orders a settlement of a client's assets or when the client and the client's spouse divide their assets in half without a court order)
 - E) the transfer was a change from an individual to joint bank account
 - F) the transfer was of exempt assets
 - G) the transfer was an equal division of marital assets
- 3) If the transfer does not fall within the listing of subsection (b) above, the transfer will be reviewed to determine if the transfer was made to qualify for or increase the need for assistance. If the transfer was made to qualify for or increase the need for assistance, the client is ineligible until whichever occurs first:

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Section 120.285 Property Transfers (Repealed) (Cont'd)

- A) the asset is returned or
 - B) a fair market value is paid to the client or
 - C) the period of time the asset would meet the client's needs has passed or
 - D) two years has passed.
- 4) If a client transfers an asset which is not allowable the client must verify that the transfer was not made to qualify for assistance (e.g., a bank repurchases the property. The client must provide a copy of the repossession paper(s) to the Department).
- 5) Length of Ineligibility
- A) The client is ineligible for assistance for the number of months that the asset would have met his/her needs up to 2 years from the date of the transfer. (To determine the number of months the asset would have met the client's need, divide the amount of the asset by the AMI Standard plus incurred medical expenses.)
 - B) For applicants, the first month of ineligibility is the month of application.
 - C) For recipients, the first month of ineligibility is the month assistance was discontinued because of the transfer.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.290

Persons Who May Be Included in the Assistance Unit (Repealed)

- a) 1) AMI cases which include a child in the assistance unit are classified as family cases. Family cases must include at least one eligible child. A child is defined as a person who is:
 - A) under age 18 and married, but not living with his/her spouse, or

- b)

AMI-cases-are-classified-as-adult-cases-when-assistance-is-being-requested-by-or-on-behalf-of-an-individual-defined-by-the-Department-as-an-adult.--An-adult-is-defined-as-a-persons-who-is

age-21-or-over,-or
- b)

married-and-living-with-spouse,-regardless-of-age-even-if-living-in-the-residence-of-his/her-natural-or-adoptive-parent,-or
- c)

age-18,-19,-or-20-and-not-living-with-his/her-natural-or-adoptive-parent,-or
- c)

under-age-18-and-not-married,-or
- b)

an-individual-who-is-defined-as-a-child-for-the-first-month-of-the-enrollment-period,-but-becomes-an-adult-later-in-the-enrollment-period,-,-Such-a-person-is-considered-a-child-for-the-full-enrollment-period-and-AMI-authorized-as-a-family-case-even-if-the-child-whose-status-has-changed-to-adult-is-the-only-child-in-the-family-case,-,-For-any-following-enrollment-period,-the-Department-considers-such-a-person-as-explained-in-(b)-below-as-an-adult-(adult-case),
- 2)

Only-the-following-adults-may-be-included-in-a-family-case+
- A)

A-specified-relative-of-the-child-and-the-spouse-of-the-specified-relative,-or
- B)

The-legal-guardian-of-the-child-and-the-spouse-of-the-legal-guardian,-or
- C)

The-child's-parents,-regardless-of-marital-status,

- b)

AMI-cases-are-classified-as-adult-cases-when-assistance-is-being-requested-by-or-on-behalf-of-an-individual-defined-by-the-Department-as-an-adult.--An-adult-is-defined-as-a-persons-who-is

age-21-or-over,-or
- b)

married-and-living-with-spouse,-regardless-of-age-even-if-living-in-the-residence-of-his/her-natural-or-adoptive-parent,-or
- c)

age-18,-19,-or-20-and-not-living-with-his/her-natural-or-adoptive-parent,
- 2)

Only-the-following-adults-may-be-included-in-a-family-case+
- A)

A-specified-relative-of-the-child-and-the-spouse-of-the-specified-relative,-or
- B)

The-legal-guardian-of-the-child-and-the-spouse-of-the-legal-guardian,-or
- C)

The-child's-parents,-regardless-of-marital-status,

- b)

AMI-cases-are-classified-as-adult-cases-when-assistance-is-being-requested-by-or-on-behalf-of-an-individual-defined-by-the-Department-as-an-adult.--An-adult-is-defined-as-a-persons-who-is

age-21-or-over,-or
- b)

married-and-living-with-spouse,-regardless-of-age-even-if-living-in-the-residence-of-his/her-natural-or-adoptive-parent,-or
- c)

age-18,-19,-or-20-and-not-living-with-his/her-natural-or-adoptive-parent,
- 2)

Only-the-following-adults-may-be-included-in-a-family-case+
- A)

A-specified-relative-of-the-child-and-the-spouse-of-the-specified-relative,-or
- B)

The-legal-guardian-of-the-child-and-the-spouse-of-the-legal-guardian,-or
- C)

The-child's-parents,-regardless-of-marital-status,

- b)

AMI-cases-are-classified-as-adult-cases-when-assistance-is-being-requested-by-or-on-behalf-of-an-individual-defined-by-the-Department-as-an-adult.--An-adult-is-defined-as-a-persons-who-is

age-21-or-over,-or
- b)

married-and-living-with-spouse,-regardless-of-age-even-if-living-in-the-residence-of-his/her-natural-or-adoptive-parent,-or
- c)

age-18,-19,-or-20-and-not-living-with-his/her-natural-or-adoptive-parent,
- 2)

Only-the-following-adults-may-be-included-in-a-family-case+
- A)

A-specified-relative-of-the-child-and-the-spouse-of-the-specified-relative,-or
- B)

The-legal-guardian-of-the-child-and-the-spouse-of-the-legal-guardian,-or
- C)

The-child's-parents,-regardless-of-marital-status,

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Section 120.281 Exempt Assets (Repealed) (Cont'd)

- f) The value of supplemental food assistance received under the Child Nutrition Act of 1966 (42 U.S.C. 1771 et seq.) as amended, and the special food service program for children under the National School Lunch Act, as amended.
- g) Donations or benefits from fund-raisers held for a seriously ill client providing the client or responsible relative of the client does not have control (e.g., not available to the client or the responsible relative) over the donations or benefits or the disbursement of the donations or benefits.
- h) Any payment received under Title I of P.L. 100-383 of the Civil Liberties Act of 1988 (50 U.S.C. 1989b thru 1989b-8).
- i) Any payment received under Title II of P.L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50 U.S.C. 1989e thru 1989e-8).
- j) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.282 Asset Disregards (Repealed)

In addition to the exempt assets listed in Section 120.281, the cash value of assets shall be disregarded as follows:

- \$400 for one adult, \$200 for the second adult and \$100 for each child included in the assistance unit.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.283 Deferral of Consideration of Assets (Repealed)

- a) Assistance may be authorized for a period not to exceed six months pending a disposition of non-homestead property which is not immediately saleable.

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Section 120.283 Deferral of Consideration of Assets (Repealed) (Cont'd)

- b) Other nonexempt assets for which consideration may be deferred are: fractional interest in real property when sale or division is not indicated, loan value of life insurance while adjustment is pending, financial assistance or service from temporarily ill or unemployed relatives.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.284 Spend-down of Assets (AMI) (Repealed)

a) Determination of Assets

- 1) For individuals residing in the community, the Department determines the amount of non-exempt assets using the verified amount on the date of decision on the application for medical assistance. The date of verification may be prior to the date of decision. Money considered as income for an enrollment period is not considered as an asset for that same enrollment period. If income for a month is added to a bank account that month, the Department will subtract the amount of income from the bank balance to determine the asset level. Any income remaining the following month(s) is considered as an asset.

- 2) The amount of non-exempt assets verified during the application process is used on the date of decision. If medical eligibility includes a backdated month for the backdated month(s), the Department will consider the amount of assets available to apply to the cost of medical care. The Department will not determine the value of assets for a backdated month(s) of eligibility. However, the amount of the excess assets verified during the application process is used to determine spend-down status in the backdated month of eligibility.

- 3) Once the excess asset has been used to meet spend-down, whether or not the excess amount has actually been reduced, it is no longer considered. However, at reapplication, the Department will consider any excess non-exempt

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Section 120.284 Spend-down of Assets (AMI) (Repealed)
(Cont'd)

assets remaining as currently available.

b) Community Cases

To determine the spend-down obligation for AMI clients, the Department will compare the amount of countable income anticipated to be received during the six-month enrollment period to the appropriate AMI Standard and add any non-exempt assets in excess of the appropriate asset disregard to countable income in excess of the appropriate AMI Standard.

1) Regular AMI

When an individual residing in the community, has countable income during the six-month period of not more than 99 cents over the appropriate AMI Standard and has non-exempt excess assets of not more than 99 cents over the appropriate asset disregard, the case is referred to as a Regular AMI case. Payment for covered services is made for each month of the authorization period.

2) Spend-down AMI

A) When the individual resides in the community and has countable income during the six-month period of at least \$1.00 over the AMI Standard and/or non-exempt assets of at least \$1.00 in excess of the asset disregard for the appropriate size household, the case is referred to as a community spend-down case. The spend-down amount is the sum of the amount of income in excess of the appropriate AMI Standard and any non-exempt assets in excess of the appropriate asset disregard. The Department will disregard excess countable income and/or asset amounts that are not at least \$1.00 over the appropriate standard or disregard.

B) The transfer of an asset policy set forth in Section 120.285 still applies. Once the client has been determined to have a resource spend-down because of excess

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Section 120.284 Spend-down of Assets (AMI) (Repealed)
(Cont'd)

non-exempt assets, the spend-down cannot be eliminated by a non-allowable transfer made to qualify for or increase the need for medical assistance.

c)

If the individual presents verification that the excess amount is no longer available and the transfer of assets is allowable according to policy set forth in Section 120.285, the Department will make the appropriate changes the month following the month the assets were transferred. If the resource spend-down has been met, the policy set forth in Section 120.285 regarding transfer of assets does not apply. The client may dispose of the asset as he/she wishes as it has been applied to a met spend-down.

D)

Individuals enrolled in spend-down are not eligible for payment of covered medical services until spend-down is met. Spend-down is met by presenting allowable medical bills or receipts to the Department that equal the amount of the individual's excess countable income and/or non-exempt excess assets. Individuals are not required to reduce excess assets prior to the issuance of a medical card.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.285 Property Transfers (Repealed)

a)

The provisions for the transfer of property (assets) do not affect eligibility for applications filed on or after October 1, 1989, regardless of the date of the transfer or to applications filed prior to October 1, 1989, if the transfer occurs on or after October 1, 1989.

b)

The provisions listed below apply to applications filed prior to October 1, 1989, and only with respect to property (assets) transferred prior to October 1, 1989.

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Section 120.260 Earned Income (Repealed) (Cont'd)

- a) Earned income received from the Job Training Partnership Act must be budgeted against AMI.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.261 Budgeting Earned Income (Repealed)

Budgeting is the method by which nonexempt income is compared to the applicable payment level (as contained in Section 120.270) plus additional income maintenance needs to determine the amount of the monthly assistance payment for the assistance unit.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.262 Exempt Earned Income (Repealed)

- a) The first \$50.00 per month earned by a child included in the assistance unit who is a full-time student shall be exempt.
- b) The total amount of exempt income of all such children shall not exceed \$150 per month.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.270 Recognized Employment Expenses (Repealed)

- 1) For employment expenses, \$75.00 shall be deducted from gross earned income of individuals full-time employed and employed throughout the month. For individuals not full-time employed or not employed throughout the month, \$60.00 is deducted for employment expenses.
- 2) For this rule full-time employment means the individual is employed for at least 100 hours during the month. Employed throughout the month means the individual is employed at least one-half of the days of the month.
- b) In addition, for earnings from self-employment and rental property, an amount equal to the reasonable expenses directly attributable to producing goods or

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Section 120.270 Recognized Employment Expenses (Repealed) (Cont'd)

- services or an amount equal to the reasonable expenses of rental shall also be deducted from income.
- e) Expenses of child care shall be deducted from income up to a maximum of \$160 per child, \$128 per child if the child is not full-time employed or not employed throughout the month as defined above.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.271 Income From Work/Study/Training Program (Repealed)

- a) Income from college work study must be budgeted against AMI.
- b) Earned income received through the Job Training Partnership Act must be budgeted against AMI.
- e) Unearned income such as need-based payments, cash assistance, compensation in lieu of wages and allowances received through the Jobs Training Partnership Act is exempt.

(Source: Repealed at 15 Ill. Reg. _____, effective _____)

Section 120.272 Earned Income From Self-Employment (Repealed)

- a) Income realized from self-employment shall be considered earned income.
- b) Accurate and complete records shall be kept on all monies received and spent through self-employment. If the individual fails or refuses to maintain complete business records, the assistance unit shall be ineligible.
- e) Business expenses shall be verified. The individual shall have full responsibility for proof of any business expense. No deduction shall be allowed for depreciation, obsolescence and/or similar losses in the operation of the business. Gross income from the business shall be turned back into the business only to replace stock actually sold.

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Section 120.272 Earned Income From Self-Employment
(Repealed) (Cont'd)

- a) The net income shall be the gross remaining after the replacement of stock and business expenses have been considered, and the \$75 appropriate employment expenses and child care expenses, as specified in Section 120.230, have been deducted. The earned income exemption, if applicable, shall be computed on the net income.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.273 Earned Income From Roomer and Boarder
(Repealed)

The gross income from a roomer and/or boarder shall be considered earned income.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.275 Earned Income In-Kind (Repealed)

- a) Earned income in-kind is remuneration received in a form other than cash for services performed. Such remuneration shall include but is not limited to, housing, food (except meals provided while working), satisfaction of a debt, or a service provided by the employer for the employee.

- b) Earned income in-kind shall be exempt.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.276 Payments from the Illinois Department of
Children and Family Services (Repealed)

Foster-Care Payments

- a) The following foster care payments made by the Department of Children and Family Services (DCFS) are to be considered exempt unearned income when determining the eligibility of the assistance unit (exclusive of the foster child):

- 1) Basic maintenance payments.

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Section 120.276 Payments from the Illinois Department of
Children and Family Services (Repealed)
(Cont'd)

- 2) Special service fee payments.
3) Intensive service fee payments.
4) Monthly retainer fee payments.
5) Adoption Subsidies.
b) Independent living arrangement payments.

Payments made by DCFS to wards living independently of a foster home shall be considered non-exempt unearned income when determining the eligibility of the ward's children for assistance.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.280 Assets (Repealed)

The value of nonexempt assets shall be considered in determining eligibility for and the amount of the assistance payment.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 120.281 Exempt Assets (Repealed)

The following assets are exempt from consideration in determining eligibility for AMI.

- a) A home which is the usual residence of the assistance unit.
b) Clothing, personal effects and household furnishings.
c) One automobile if the equity value does not exceed \$1500.
d) The value of the coupon allotment under the Food Stamp Act of 1977 (7-U.S.C. 2017 et seq.).
e) The value of the U.S. Department of Agriculture donated feeds (surplus commodities).

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- D) Types of professional skills necessary for compliance: No new skills required

The full text of the Proposed Amendments begins on the next page:

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NOTICE OF PROPOSED AMENDMENTS

TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER d: MEDICAL PROGRAMS

PART 140
MEDICAL PAYMENT

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Covered Medical Services Under AFDC-MANG for non-pregnant persons who are 18 years of age or older (Repealed)

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140.8

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140.117	Hospital Outpatient and Clinic Services (Recodified)
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AUTHORITY: Implementing Article III of the Illinois Health
Finance Reform Act (Ill. Rev. Stat. 1989, ch. 111 1/2, par.
6503-1 et seq.) and implementing and authorized by Articles
III, IV, V, VI, VII and Section 12-13 of the Illinois Public
Aid Code (Ill. Rev. Stat. 1989, ch. 23, pars. 3-1 et seq., 4-1
et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13)

SOURCE: Adopted at 3 Ill. Reg. 24, p. 166, effective June 10,
1979; rule repealed and new rule adopted at 6 Ill. Reg. 8374,
effective July 6, 1982; emergency amendment at 6 Ill. Reg.
8508, effective July 6, 1982, for a maximum of 150 days;
amended at 7 Ill. Reg. 681, effective December 30, 1982;
amended at 7 Ill. Reg. 7956, effective July 1, 1983; amended at
7 Ill. Reg. 8308, effective July 1, 1983; emergency amendment at 7
Ill. Reg. 8271, effective July 5, 1983; amended at 7 Ill.
Reg. 8354, effective July 5, 1983, for a maximum of 150
days; amended at 7 Ill. Reg. 8540, effective July 15, 1983;
amended at 7 Ill. Reg. 9382, effective July 22, 1983; amended
at 7 Ill. Reg. 12868, effective September 20, 1983; peremptory
amendment at 7 Ill. Reg. 15047, effective October 31, 1983;
amended at 7 Ill. Reg. 17358, effective December 21, 1983;
amended at 8 Ill. Reg. 254, effective December 21, 1983;

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emergency amendment at 8 Ill. Reg. 580, effective January 1, 1984, for a maximum of 150 days; recodified at 8 Ill. Reg. 2483; amended at 8 Ill. Reg. 3012, effective February 22, 1984; amended at 8 Ill. Reg. 5262, effective April 9, 1984; amended at 8 Ill. Reg. 6785, effective April 27, 1984; amended at 8 Ill. Reg. 6983, effective May 9, 1984; amended at 8 Ill. Reg. 7258, effective May 16, 1984; emergency amendment at 8 Ill. Reg. 7910, effective May 22, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7910, effective June 1, 1984; amended at 8 Ill. Reg. 10032, effective June 18, 1984; emergency amendment at 8 Ill. Reg. 10062, effective June 20, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 13343, effective July 17, 1984; amended at 8 Ill. Reg. 13779, effective July 24, 1984; Sections 140.72 and 140.73 recodified to 89 Ill. Adm. Code 141 at 8 Ill. Reg. 16354; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17899; peremptory amendment at 8 Ill. Reg. 18151, effective September 18, 1984; amended at 8 Ill. Reg. 21629, effective October 19, 1984; peremptory amendment at 8 Ill. Reg. 21677, effective October 24, 1984; amended at 8 Ill. Reg. 22097, effective October 24, 1984; peremptory amendment at 8 Ill. Reg. 22155, effective October 29, 1984; amended at 8 Ill. Reg. 23218, effective November 20, 1984; emergency amendment at 8 Ill. Reg. 23721, effective November 21, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 25067, effective December 19, 1984; emergency amendment at 9 Ill. Reg. 407, effective January 1, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 2697, effective February 22, 1985; amended at 9 Ill. Reg. 6235, effective April 19, 1985; amended at 9 Ill. Reg. 8677, effective May 28, 1985; amended at 9 Ill. Reg. 9564, effective June 5, 1985; amended at 9 Ill. Reg. 10025, effective June 26, 1985; emergency amendment at 9 Ill. Reg. 11403, effective June 27, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11357, effective June 28, 1985; amended at 9 Ill. Reg. 12000, effective July 24, 1985; amended at 9 Ill. Reg. 12306, effective August 5, 1985; amended at 9 Ill. Reg. 13998, effective September 3, 1985; amended at 9 Ill. Reg. 14684, effective September 13, 1985; amended at 9 Ill. Reg. 15503, effective October 4, 1985; amended at 9 Ill. Reg. 16312, effective October 11, 1985; amended at 9 Ill. Reg. 19138, effective December 2, 1985; amended at 9 Ill. Reg. 19737, effective December 9, 1985; amended at 10 Ill. Reg. 238, effective December 27, 1985; emergency amendment at 10 Ill. Reg. 798, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 672, effective January 6, 1986; amended at 10 Ill. Reg. 1206, effective January 13, 1986; amended at 10 Ill. Reg. 3041, effective January 24, 1986; amended at 10 Ill. Reg. 6981, effective April 16, 1986; amended at 10 Ill. Reg. 7825, effective April 30, 1986; amended at 10 Ill. Reg. 8128,

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effective May 7, 1986; emergency amendment at 10 Ill. Reg. 8912, effective May 13, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 11440, effective June 20, 1986; amended at 10 Ill. Reg. 14714, effective August 27, 1986; amended at 10 Ill. Reg. 15211, effective September 12, 1986; emergency amendment at 10 Ill. Reg. 16729, effective September 18, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 18808, effective October 24, 1986; amended at 10 Ill. Reg. 19742, effective November 12, 1986; amended at 10 Ill. Reg. 21784, effective December 15, 1986; amended at 11 Ill. Reg. 1418, effective December 31, 1986; amended at 11 Ill. Reg. 2323, effective January 16, 1987; amended at 11 Ill. Reg. 4002, effective February 25, 1987; Section 140.71 recodified to 89 Ill. Adm. Code 141 at 11 Ill. Reg. 4302; amended at 11 Ill. Reg. 4303, effective March 6, 1987; amended at 11 Ill. Reg. 7664, effective April 15, 1987; emergency amendment at 11 Ill. Reg. 9342, effective April 20, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 9169, effective April 28, 1987; amended at 11 Ill. Reg. 10903, effective June 1, 1987; amended at 11 Ill. Reg. 11528, effective June 22, 1987; amended at 11 Ill. Reg. 12011, effective June 30, 1987; amended at 11 Ill. Reg. 12290, effective July 6, 1987; amended at 11 Ill. Reg. 14048, effective August 14, 1987; amended at 11 Ill. Reg. 14771, effective August 25, 1987; amended at 11 Ill. Reg. 16758, effective September 28, 1987; amended at 11 Ill. Reg. 17295, effective September 30, 1987; amended at 11 Ill. Reg. 18696, effective October 27, 1987; amended at 11 Ill. Reg. 20909, effective December 14, 1987; amended at 12 Ill. Reg. 916, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1960, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 5427, effective March 15, 1988; amended at 12 Ill. Reg. 6246, effective March 16, 1988; amended at 12 Ill. Reg. 6728, effective March 22, 1988; Sections 140.900 thru 140.912 and 140.913 and 140.914 Table I recodified to 89 Ill. Adm. Code 147.5 thru 147.205 and 147.206 Table A and 147.207 Table B at 12 Ill. Reg. 6956; amended at 12 Ill. Reg. 6927, effective April 5, 1988; Sections 140.940 thru 140.972 recodified to 89 Ill. Adm. Code 149.5 thru 149.325 at 12 Ill. Reg. 7401; amended at 12 Ill. Reg. 7695, effective April 21, 1988; amended at 12 Ill. Reg. 10497, effective June 3, 1988; amended at 12 Ill. Reg. 10717, effective June 14, 1988; emergency amendment at 12 Ill. Reg. 11868, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12509, effective July 15, 1988; amended at 12 Ill. Reg. 14271, effective August 29, 1988; emergency amendment at 12 Ill. Reg. 16921, effective September 28, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 16738, effective October 5, 1988; amended at 12 Ill. Reg. 17879, effective October 24, 1988; amended at 12 Ill. Reg.

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18198, effective November 4, 1988; amended at 12 Ill. Reg. 19396, effective November 6, 1988; amended at 12 Ill. Reg. 19734, effective November 15, 1988; amended at 13 Ill. Reg. 125, effective January 1, 1989; amended at 13 Ill. Reg. 2475, effective February 14, 1989; amended at 13 Ill. Reg. 3069, effective February 28, 1989; amended at 13 Ill. Reg. 3351, effective March 6, 1989; amended at 13 Ill. Reg. 3917, effective March 17, 1989; amended at 13 Ill. Reg. 5115, effective April 3, 1989; amended at 13 Ill. Reg. 5718, effective April 10, 1989; Sections 140.850 thru 140.896 reclassified to 89 Ill. Adm. Code 146.5 thru 146.225 at 13 Ill. Reg. 7040; amended at 13 Ill. Reg. 7025, effective April 24, 1989; amended at 13 Ill. Reg. 7786, effective May 20, 1989; Sections 140.94 thru 140.398 reclassified to 89 Ill. Adm. Code 148.10 thru 148.390 at 13 Ill. Reg. 9572; emergency amendment at 13 Ill. Reg. 10977, effective July 1, 1989, for a maximum of 150 days; emergency expired November 28, 1989; amended at 13 Ill. Reg. 11516, effective July 3, 1989; amended at 13 Ill. Reg. 12119, effective July 7, 1989; Section 140.110 reclassified to 89 Ill. Adm. Code 148.120 at 13 Ill. Reg. 12118; amended at 13 Ill. Reg. 12562, effective July 17, 1989; amended at 13 Ill. Reg. 14391, effective August 31, 1989; emergency amendment at 13 Ill. Reg. 15473, effective September 12, 1989, for a maximum of 150 days; amended at 14 Ill. Reg. 16992, effective October 16, 1989; amended at 14 Ill. Reg. 190, effective December 21, 1989; amended at 14 Ill. Reg. 2564, effective February 9, 1990; emergency amendment at 14 Ill. Reg. 3241, effective February 14, 1990, for a maximum of 150 days; emergency expired July 14, 1990; amended at 14 Ill. Reg. 4543, effective March 12, 1990; emergency amendment at 14 Ill. Reg. 4577, effective March 6, 1990, for a maximum of 150 days; emergency expired August 3, 1990; emergency amendment at 14 Ill. Reg. 5575, effective April 1, 1990, for a maximum of 150 days; emergency expired August 29, 1990; emergency amendment at 14 Ill. Reg. 5865, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 7141, effective April 27, 1990; emergency amendment at 14 Ill. Reg. 7249, effective April 27, 1990, for a maximum of 150 days; amended at 14 Ill. 10062, effective June 12, 1990; amended at 14 Ill. Reg. 10409, effective June 19, 1990; emergency amendment at 14 Ill. Reg. 12082, effective July 5, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 13262, effective August 6, 1990; emergency amendment at 14 Ill. Reg. 14184, effective August 16, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 14570, effective August 22, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 14826, effective August 31, 1990; amended at 14 Ill. Reg. 15366, effective September 12, 1990; amended at 14 Ill. Reg. 15981, effective September 21, 1990; amended at 14 Ill. Reg. 17279,

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effective October 12, 1990; amended at 14 Ill. Reg. 18057, effective October 22, 1990; amended at 14 Ill. Reg. 18508, effective October 30, 1990; amended at 14 Ill. Reg. 18813, effective November 6, 1990; amended at 14 Ill. Reg. 20478, effective December 7, 1990; amended at 14 Ill. Reg. 20729, effective December 12, 1990; amended at 15 Ill. Reg. 298, effective December 28, 1990; emergency amendment at 15 Ill. Reg. 592, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 1051, effective January 18, 1991; Section 140.569 withdrawn at 15 Ill. Reg. 1174; amended at 15 Ill. Reg. 6534, effective April 30, 1991; amended at 15 Ill. Reg. 8264, effective May 23, 1991; amended at 15 Ill. Reg. 8972, effective June 17, 1991; amended at 15 Ill. Reg. 10114, effective June 21, 1991; amended at 15 Ill. Reg. 10468, effective July 1, 1991; amended at 15 Ill. Reg. 11176, effective August 1, 1991; emergency amendment at 15 Ill. Reg. 11515, effective July 25, 1991, for a maximum of 150 days; emergency amendment at 15 Ill. Reg. _____, effective August 15, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. _____, effective _____.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

SUBPART A: GENERAL PROVISIONS

Section 140.2

Medical Assistance Programs

- a) Under the Medical Assistance Programs, the Department pays participating providers for necessary medical services, specified in Section 140.3 through 140.7 for:
 - 1) persons eligible for financial assistance under the Department's Aid to the Aged, Blind or Disabled-State Supplemental Payment (AABD-SSP) and Aid to Families with Dependent Children (AFDC) programs (Medicaid - MAG);
 - 2) persons who would be eligible for financial assistance but who have resources in excess of the Department's eligibility standards who have incurred medical expenses greater than the difference between their income and the Department's standards (Medicaid - MANG);
 - 3) persons receiving financial assistance under the Department's General Assistance (GA) program, either State Transitional Assistance or State Family and Children Assistance (GA-Medical);

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Section 140.2 Medical Assistance Programs (Cont'd)

4) ~~persons not eligible for financial assistance who have insufficient resources to meet the costs of necessary medical care-Aid-Medicare-Indigent-AMI}-when the case is not available without charge-is covered-by health insurance}~~

5) ~~4~~ individuals under age 18 who do not qualify for AFDC/AFDC-MANG and infants under age one (1) year (see Section 140.7);

6) ~~5~~ pregnant women who would not be eligible for AFDC/AFDC-MANG if the child were born and who do not qualify as mandatory categorically needy (see Section 140.9);

7) ~~6~~ persons who are eligible for Title IV-E adoption assistance/foster care assistance from another State and who are living in Illinois.

b) "Necessary medical care" is that which is generally recognized as standard medical care required because of disease, disability, infirmity or impairment.

c) The Department may impose prior approval requirements, as specified by rule, to determine whether the medical care is necessary and eligible for payment from the Department in individual situations. Such requirements shall be based on recommendations of technical and professional staff and advisory committees.

d) When recipients are entitled to Medicare benefits, the Department shall assume responsibility for their deductible and coinsurance obligations, unless the recipients have income and/or resources available to meet these needs. The total payment to a provider from both Medicare and the Department shall not exceed either the amount that Medicare determines to be a reasonable charge or the Department standard for the services provided, whichever is applicable.

e) The Department shall pay for services and items not allowed by Medicare only if they are provided in accordance with Department policy for recipients not entitled to Medicare benefits.

f) The Department may contract with qualified

NOTICE OF PROPOSED AMENDMENTS

Section 140.2 Medical Assistance Programs (Cont'd)

practitioners, hospitals and all other dispensers of medical services for the provision and reimbursement of any and all medical care or services as specified in the contract on a prepaid capitation basis (i.e., payment of a fixed amount per enrollee made in advance of the service); volume purchase basis (i.e., purchase of a volume of goods or services for a price specified in the contract); ambulatory visit basis (i.e., one comprehensive payment for each visit regardless of the services provided during that visit) or per discharge basis (i.e., one comprehensive payment per discharge regardless of the services provided during the stay). Such contracts shall be based either on formally solicited competitive bid proposals or individually negotiated rates with providers willing to enter into special contractual arrangements with the State.

g) The Department may require that recipients of medical assistance under any of the Department's programs exercise their freedom of choice by choosing to receive medical care under the traditional fee for service system or through a prepaid capitation plan or under one of the other alternative contractual arrangements described in subsection (f). The categories of recipients who may choose or be assigned to an alternative plan will be specified in the contract. Recipients required to make such a choice will be notified in writing by the Department. If a recipient does not choose to exercise his/her freedom of choice, the Department may assign that recipient to a prepaid plan. Under such a plan, recipients would obtain certain medical services or supplies from a single source or limited source. Recipients enrolled in a prepaid plan may disenroll. If a recipient is assigned to a prepaid plan he/she will be permitted to revoke that assignment at any time. The Department will notify recipients in writing if they are assigned to a prepaid plan. Recipients enrolled in or assigned to a prepaid plan will receive written notification advising them of the services which they will receive from the plan. Covered services not provided by the plan will be reimbursed by the Department on a fee for service basis. Recipients will receive a medical eligibility card which will apply to such services.

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Section 140.2 Medical Assistance Programs (Cont'd)

The recipient shall notify the contractor and execute a disenrollment form if he/she wants to disenroll or revoke the assignment.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 140.3 Covered Services Under The Medical Assistance Programs for AFDC, AFDC-MANG, AABD, AABD-MANG, RRP, Individuals Under Age 18 Not Eligible for AFDC, Pregnant Women Who Would Be Eligible if the Child Were Born and Pregnant Women and Children Under Age Eight Who Do Not Qualify As Mandatory Categorically Needy

The following medical services shall be covered for recipients of financial assistance under the Department's AABD (Aid to the Aged, Blind or Disabled), AFDC (Aid to Families with Dependent Children), or Refugee/Entrant/Repatriate programs; recipients of medical assistance only under the AABD program (AABD-MANG) and recipients of medical assistance only under the AFDC program (AFDC-MANG):

- a) Inpatient hospital services;
- b) Hospital outpatient and clinic services;
- c) Hospital emergency room visits;**
- d) Encounter rate clinic visits;
- e) Physician services;
- f) Pharmacy services;
- g) Home health agency visits;
- h) Laboratory/x-ray services;
- i) Group care services;
- j) Family planning services and supplies;
- k) Medical supplies, equipment, prostheses and orthoses, and respiratory equipment and supplies;
- l) Transportation to secure medical services;

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Section 140.3 Covered Services Under The Medical Assistance Programs for AFDC, AFDC-MANG, AABD, AABD-MANG, RRP, Individuals Under Age 18 Not Eligible for AFDC, Pregnant Women Who Would Be Eligible if the Child Were Born and Pregnant Women and Children Under Age Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

- m) Medichex (EPSDT) services;
- n) Dental services;
- o) ~~Child protective services;~~
- p) ~~Pediatric services;~~
- q) ~~Optical services/supplies;~~
- r) ~~Subacute alcoholism and substance abuse services pursuant to Sections 140.390 - 140.396; and~~
- s) ~~Hospice.~~

**AGENCY NOTE: The visit must be for the alleviation of severe pain or for immediate diagnosis and/or treatment of conditions or injuries which might result in disability or death if there is not immediate treatment.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 140.5 Covered Medical Services Under GA and AMI

The following medical services shall be covered for recipients of financial assistance under the Department's GA (General Assistance) program ~~recipients of medical assistance only under the AMI (Aid to the Medically Indigent Program) and for both the State Transitional Program and the State Family and Children Program unless otherwise indicated.~~

- a) Inpatient hospital services* (State Family and Children Program only);*
- b) Hospital outpatient and clinic services for surgical procedures, renal dialysis or cancer therapy (State Family and Children Program only);

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Section 140.5 Covered Medical Services Under GA and-AMI (Cont'd)

- c) Hospital emergency room visits (State Family and Children Program only);**
- d) Encounter rate clinic visits;
- e) Physician services;
- f) Vital pharmacy services;***
- g) Vital medical supplies, equipment;
- h) Group care services, subject to prior approval;
- i) Family planning services;
- j) Laboratory and x-ray;
- k) Transportation to secure medical services;
- l) Dental services (Emergency only: relief of pain and infection, including necessary filling and extractions)
- m) Optical services and supplies if the GA recipient has obtained employment and needs glasses to work--~~(this applies-only-to-GA+)~~;
- n) Prosthesis, orthoses;****
- o) Home health agency visits;****
- p) Hospice.

*AGENCY NOTE: Physical rehabilitation services and psychiatric services are not covered for GA (age 18 and over)-and-AMI-recipients

**AGENCY NOTE: The visit must be for the alleviation of severe pain or for immediate diagnosis and/or treatment of conditions or injuries which might result in disability or death if there is not immediate treatment.

***AGENCY NOTE: Those items necessary for life maintenance or to avoid life threatening situations.

****AGENCY NOTE: Only when essential for employment or expediting hospital discharge.

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Section 140.5 Covered Medical Services Under GA and-AMI (Cont'd)

****AGENCY NOTE: Only on a prior approval basis when the medical condition is documented by the physician as terminal.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

SUBPART D: PAYMENT FOR NON-INSTITUTIONAL SERVICES

Section 140.400 Payment to Practitioners, Nurses and Laboratories

- a) This Section applies to physicians, dentists, nurses, optometrists,~~pediatricians, and~~ independent laboratories.

1) Practitioners, nurses and independent laboratories are required to bill the Medical Assistance Program at the same rate they charge patients paying their own bills and patients covered by other third party payors.

2) A practitioner or nurse may bill only for services he personally provides or which are provided under his direct supervision in his office by his staff, so long as such practice is not in conflict with the Illinois Nursing Act of 1987 (Ill. Rev. Stat. 1989, ch. 111, par 3501 et seq.) and implementing regulations. A practitioner may not bill for services provided by another practitioner even though he may be in the employ of the other.

3) Payment will be made only in practitioner's or nurse's name or Department approved alternate payee.

4) Payments will be made according to a schedule of State-wide pricing screens established by the Department of Public Aid. (Exception: a nurse midwife will be reimbursed for covered services at 70% of the established screen.) The pricing screens are to be established based on consideration of the market value of the service. In considering the market value, the Department will examine the costs of operations and material. Input from advisory groups

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Section 140.400

Payment to Practitioners, Nurses and Laboratories (Cont'd)

designated by statute, generally recognized provider interest groups and the general public will be taken into consideration in determining the allocation of available funds to rate adjustments. Increases in rates are contingent upon funds appropriated by the General Assembly. Reductions or increases may be affected by changes in the market place or changes in funding available for the Medical Assistance Program. Screens will be related to the average State-wide charge. The upper limit for services shall not exceed the lowest Medicare charge levels.

- b) The Department will distribute (initially and upon revision of the amounts) to practitioners, nurses and laboratories the maximum allowable amounts for the most commonly billed procedures codes. Interested individuals may request a copy of the maximum allowable amounts from the Department by directing the request to the Bureau of Medical Practitioner Services, Prescott E. Bloom Building, 201 South Grand Avenue East, Springfield, Illinois 62763-0001. In addition, a participating individual practitioner may request the maximum allowable amounts for less commonly billed specific procedures that relate to the individual's practice. This request must be in writing and identify specific procedure code(s) and associated descriptions.

(Source: Amended at 15 Ill. Reg. ____, effective ____)

Section 140.425 Podiatry Services (Repealed)

- a) Payment-for-podiatry-services-shall-be-made-only-to-licensed-podiatrists
- b) Except-for-the-"Services-Not-Covered"-specified-below,-payment-shall-be-made-for-these-podiatric-services-which-are
- 1) Essential-for-the-diagnosis-and-treatment-of-conditions-of-the-feet
 - 2) Listed-in-the-Common-Procedural-Terminology-for-podiatric-office-visits,-diagnostic-radiology,-

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Section 140.425

Podiatry Services (Repealed) (Cont'd)

pathology,-or-orthomechanical-procedures-included-in-the-Department-s-schedule-of-podiatric-services

- 3) Performed-by-the-podiatrist-or-under-the-direct-supervision-of-the-podiatrist
- e) The-only-podiatric-services-which-meet-the-definition-of-"Covered-Services"-above-for-which-payment-shall-not-be-made-are-the-following
 - 1) Making-a-referral,-obtaining-a-specimen,-handling-a-specimen-for-analysis,-or-ordering-a-laboratory-test
 - 2) Visits-and-services-provided-to-recipients-eligible-for-Medicare-benefits-if-the-services-are-determined-not-medically-necessary-by-Medicare
 - 3) Services-provided-recipients-in-group-care-facilities-by-a-podiatrist-who-derives-direct-or-indirect-profit-from-total-or-partial-ownership-of-such-facility
 - 4) Routine-foot-care
 - 5) Preventive-or-reenactive-procedures
 - 6) Screening-for-foot-problems
 - 7) Visits-by-more-than-one-family-member-on-the-same-day-unless-definitive-pathology-is-present
 - 8) Provider-transportation-costs
 - 9) X-rays-and-laboratory-procedures-performed-at-a-location-other-than-the-podiatrist's-own-office
 - 10) X-rays-laboratory-work-or-similar-services-not-specifically-required-by-the-condition-for-which-the-recipient-is-being-treated
 - 11) Routine-post-operative-visits
 - 12) Subsequent-treatment-of-children-with-congenital-foot-deformities

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Section 140.425 Podiatry Services (Repealed) (Cont'd)

- 13) Surgical assistance,
- 14) An office visit when physical therapy is performed, or laboratory tests only are done,
- 15) A visit when a charge is submitted for a procedure performed at the time of the visit,
- 16) Consultations.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 140.426 Limitations on Podiatry Services (Repealed)

- a) Payment for an initial visit shall be made only one time for an individual patient to determine whether foot care is required and covered by the Department's program--in partnership of group practices, it is allowed only one time collectively for all podiatrists in the group.
- b) Payment for blood work by the "dipstick" method shall be made only when a colorimetric instrument is used for evaluation of the results.
- c) Payment for orthomechanics, multiple surgical procedures or surgical procedures within a six (6)-month period following original surgery shall be made only when the podiatrist obtains prior approval from the Department.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

Section 140.428 Chiropractic Services (Repealed)

- a) Payment shall be made only to chiropractors.
- b) Payment shall be made for only one chiropractic service--manual manipulation of the spine to correct a subluxation of the spine which has resulted in a neuromusculoskeletal condition for which such manipulation is an appropriate treatment.

(Source: Repealed at 15 Ill. Reg. ____, effective ____)

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Section 140.440 Pharmacy Services

- a) Payment shall be made only to pharmacies.
- b) The following conditions apply to pharmacy participation:

1) The pharmacy must hold a current Drug Enforcement Administration (DEA) registration issued by the United States Drug Enforcement Administration (see 21 CFR 1301 et seq.), as well as a current controlled substances license issued by the Illinois Department of Professional Regulation (see Controlled Substances Act, Ill. Rev. Stat. 1987, ch. 56 1/2, par. 1301 et seq.) prior to enrolling with the Department.

2) Licensed Pharmacy Requirements

- A) A licensed pharmacy located in and/or administratively associated with a group practice or long-term facility must:
 - i) provide the same scope of general pharmacy and professional services as a pharmacy not so affiliated; and
 - ii) be retail in nature, open and accessible to the general public.
- B) The pharmacy shall not limit prescriptions filled to those written by practitioners connected with the group or facility for persons receiving care or services from the group or facility.
- 3) A hospital pharmacy which provides pharmaceutical services and supplies for inpatients, outpatient clinic patients and emergency room patients of the hospital may not enroll as a participating pharmacy. A second licensed pharmacy, established by a hospital separate and apart from the hospital pharmacy to serve the community as a retail pharmacy may participate as a retail pharmacy.

c) The Department shall pay for the dispensing of pharmacy items, which are listed in the Department Drug Manual (Section 140.72) and subject to the

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Section 140.440 Pharmacy Services (Cont'd)

provisions of subsection (d), which are prescribed by a physician, dentist or podiatrist within the scope of their professional practice. --Copies of the Department's Drug Manual are available from the Department's Bureau of Medical Practitioners, 201 South Grand Avenue East, Springfield, Illinois. Requests for copies should be sent in writing to that address.

d) Beginning with drugs dispensed on or after April 1, 1991, Department coverage shall be limited to those drug manufacturers having rebate agreements in effect as provided under Section 127 of Title XIX of the Social Security Act (42 U.S.C. 1396s). Coverage of new drug products from manufacturers meeting these provisions shall be available for at least six months from the date of U.S. Food and Drug Administration approval without prior authorization under prescribed for persons eligible for assistance under Title XIX of the Social Security Act so long as the drug requires unrestricted coverage under the Act. When reviewing requests for prior authorization, approval decisions shall be medically based.

e) Upon U.S. Food and Drug Administration approval of a new drug, the manufacturer of the drug shall submit materials to the Department notifying it of the approval. Within fifteen days following the Department's receipt of notification, the Department shall provide the manufacturer with evidence documenting the Department's coverage of the new drug.

f) The Department shall, on a quarterly basis, provide all interested parties with an updated list of products available without prior approval and an updated lists of drug manufacturers having rebate agreements in effect. The Department shall maintain a mailing list of all interested parties who wish to receive a copy of these lists.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

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Section 140.441 Pharmacy Services Not Covered

Items excluded from coverage include the following:

- a) Drug manufacturers not meeting the rebate requirements of Section 140.440(d) Drugs not listed in the Drug Manual (unless the Department gives prior approval);
- b) Anorectic drugs or combinations including such drugs;
- c) Biologicals and drugs available without charge from the Illinois Department of Public Health or other agencies;
- d) Any vaccine, drug or serum which is provided primarily for preventive purposes; e.g., influenza vaccine;
- e) Drugs for injection in a practitioner's office unless the cost of the drug per injection (excluding administration) exceeds \$25.00;
- f) Drugs that have been classified by the Food and Drug Administration (FDA) as ineffective or unsafe in a final order;
- g) Drugs that the Food and Drug Administration has proposed in a notice of opportunity for hearing to withdraw labeled indications [pursuant to Section 107(c)(3) of the Drug Amendments of 1962 (P.L. 87-781) and Section 505(e) of the Federal Food Drug and Cosmetic Act (21 USC 355 (e))] and any identical, related or similar drug products [determined by the FDA in accordance with 21 CFR 310.6];
- h) Items identified as Group Care Restricted Items in the Drug Manual (see Section 140.449(b)) are not covered when provided to recipients living in licensed long-term care facilities;
- i) Sickroom Needs and Medical Equipment Items are not covered as pharmacy items. A pharmacy which desires to provide such items must enroll as a provider of medical equipment; and
- j) Miscellaneous Supplies which are stocked and dispensed by some pharmacies are not covered. These items include, but are not limited to, dental products, hair products, facial tissues, infant disposable diapers, sanitary pads, tampons, soap or other personal hygiene

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Section 140.441 Pharmacy Services Not Covered (Cont'd)

products, proprietary food supplements or substitutes, sugar or salt substitutes, household products, or infant formula for routine feeding.

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 140.442 Prior Approval of Prescriptions

- a) The Department may require prior approval for the prescription of any drug except as provided in Section 140.440(d). Determinations of whether prior approval for any drug is required shall be made in the following manner:

- 1) The Department shall consult with individuals or organizations which possess appropriate expertise in the areas of pharmacology and medicine. In doing so, the Department shall consult with organizations composed of physicians, pharmacologists, or both, and shall, to the extent that it consults with organizations, limit its consultations to organizations which include within their membership physicians practicing in all of the representative geographic areas in which recipients reside and practicing in a majority of the areas of specialization for which the Department reimburses physicians for providing care to recipients.

- 2) The Department shall consult with a panel from such organization (the panel is selected by such organization) to review and make recommendations regarding prior approval. The panel shall meet not less than four times a year for the purpose of the review of drugs. The actions of the panel shall be non-binding upon the Department and can in no way bind or otherwise limit the Department's right to determine in its sole discretion those drugs which shall require prior approval.

- 3) Upon U.S. Food and Drug Administration approval of a new drug, the manufacturer shall submit materials to the Department which the Department and the consulting organization shall consider in determining whether prescription of the drug

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Section 140.442 Prior Approval of Prescriptions (Cont'd)

shall require prior approval after the automatic six month coverage without prior approval period (see Section 140.440(d) and (e)). Absent submission of such materials by the manufacturer, prior approval shall be automatically required at the conclusion of the automatic six month coverage without prior approval period.

- 4) New dosage strengths and new dosage forms of products currently included in the list of drugs available without prior approval (see Section 140.440(f)) shall be included in the list of drugs available without prior approval upon the request of the manufacturer, unless otherwise designated by the Director. In such a case, the Director shall submit the new dosage strength, or new form, to the prior approval procedures described in this section.

- 5) Upon receipt of the final agenda established for each meeting of the above described panel, the Department shall promptly review materials and literature supplied by drug manufacturers. Additional literature may be researched by the Department to assist them in their review of the products on the agenda. The Department shall make comments and shall within ten (10) working days of receipt of the agenda transmit such comments in writing to the panel. This shall be done for each meeting of the above described panel.

- 6) The consulting organization shall transmit its recommendations to the Department in writing.

- 7) Upon receipt of this transmittal letter, the Department shall notify within fifteen (15) working days all interested parties, including pharmaceutical manufacturers of the products, of all recommendations of the consulting organization accepted or rejected by the Director. Recommendations for prior authorization of new drug products shall become effective after thirty days prior notice to providers and all interested parties, including manufacturers. The Department shall maintain a

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Section 140.442 Prior Approval of Prescriptions (Cont'd)

Section 140.442 Prior Approval of Prescriptions (Cont'd)

mailing list of all interested parties who wish to receive a copy of applicable notices.

- 8) Drug manufacturers shall be afforded an opportunity to request reconsideration of products recommended for prior approval. The drug manufacturers may submit whatever information they deem appropriate to support their request for reconsideration of the drug product. All reconsideration requests must be submitted in writing to the Department and shall be considered at the next regularly scheduled meetings of the above described expert panel convened by the consulting organization.

- 9) The Department shall utilize the procedures described in subsections (1) through (7) to give EXPEDITED REVIEW OF ANY DRUG FOR THE TREATMENT OF ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) WHICH THE FEDERAL FOOD AND DRUG ADMINISTRATION HAS INDICATED IS SUBJECT TO A TREATMENT INVESTIGATIONAL NEW DRUG APPLICATION, and which is not available free of charge to recipients from the drug manufacturer or distributor.

- a) b) The Department shall require prior approval for the prescription of any items not otherwise excluded by rule but not listed in or in excess of the quantities listed in the Department Drug Manual (see Section 140.72). Approval will be given except as provided in subsection (c). prior approval shall be given for drugs requiring such authorization if:

- 1) The drug is a legend item (requires a prescription), and
- 2) The drug is used in accordance with predetermined standards consistent with the compendia consisting of the American Hospital Formulary Service Drug Information, the United States Pharmacopeia-Drug Information and the American Medical Association Drug Evaluations, as well as the peer-reviewed medical literature standards and indications approved by the Food and Drug Administration, and

- 3) The drug is necessary to prevent a higher level of care, such as institutionalization, or
- 4) Alternative therapies which are in the Drug Manual are not effective in treating the patient's condition. The prescriber has determined that the drug is medically necessary.

b) c) For recipients covered by the Basic Health Protection Plan, (MANG-AFDC-adults, CA or AMI), the Department shall require prior approval for the prescription of any item not included as "vital" in the Department's drug manual. Approval will be given prior approval shall be given for drugs requiring such authorization if:

- 1) The drug is a legend item (requires a prescription), and
- 2) The drug is used in accordance with predetermined standards consistent with the compendia consisting of the American Hospital Formulary Service Drug Information, the United States Pharmacopeia-Drug Information and the American Medical Association Drug Evaluations, as well as the peer-reviewed medical literature standards and indications approved by the Food and Drug Administration, and
- 3) The physician has documented that the requested item is necessary to prevent a life threatening situation and that items covered under the basic health protection plan are not effective to maintain the patient's life or to avoid the life threatening situation.

- e) d) Decision on all requests for prior approval shall be made within 30 days of the date of the request. (See Sections 140.40 through 140.42) by telephone or other telecommunications device and, upon the Department's receipt of such request, shall be made by the same time of the Department's next working day. In an emergency situation, the Department shall provide for the dispensing of at least a 72-hour supply of a covered prescription drug.

(Source: Amended at 15 Ill. Reg. ____, effective ____)

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Section 140.449 Payment of Pharmacy Items

- a) The Department shall pay no more for charges submitted than the maximum permitted by Federal regulations.

b) Explanation of drug restrictions

- 1) Group Care and Basic Health Restricted - The drug is available to all recipient categories except recipients with basic health coverage (i.e., recipients of general assistance, or Aid To The Medically Indigent) and individuals residing in a nursing home.

- 2) The nursing home must provide the following listed drugs to resident recipients at no charge to the recipient:

ACETAMINOPHEN DROPS 80MG/0.8ML
 ACETAMINOPHEN DROPS 120MG/2.5ML
 ACETAMINOPHEN ELIXIR/SYRUP 120MG/5ML
 ACETAMINOPHEN TAB/CAP 325MG
 ACETAMINOPHEN TAB/CAP 500MG
 ACETAMINOPHEN TAB/CAP 650MG
 ACETAMINOPHEN TABLET CHEWABLE 80MG
 ACETAMINOPHEN TABLET CHEWABLE 120MG
 ASPIRIN TAB BUFFERED 325MG
 ASPIRIN TAB BUFFERED 600MG
 ASPIRIN TAB EC 300MG
 ASPIRIN TAB EC 600MG
 ASPIRIN TAB PEDIATRIC
 ASPIRIN TAB 300MG
 ASPIRIN TAB 600MG
 GLUCOLA LIQUID
 MILK OF MAGNESIA LIQUID
 MILK OF MAGNESIA TABLET
 ZINC OXIDE OINTMENT

- c) No restrictions - The drug is available to all recipient categories including nursing home residents and recipients of basic health coverage.

- d) 1) Group care restricted - The drug is available to all recipients (including basic health recipients) except recipients residing in nursing homes.

- 2) The nursing home must provide the following listed items to resident recipients at no charge

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Section 140.449 Payment of Pharmacy Items (Cont'd)

to the recipient:

ACETEST REAGENT TABLETS
 ALBUSTIX STRIPS
 CHEMSTRIP BG STRIPS
 CHEMSTRIP GP
 CHEMSTRIP K PAPERS
 CHEMSTRIP TEST KIT
 CHEMSTRIP UG STRIPS
 CHEMSTRIP UGK STRIPS
 CHEMSTRIP 5
 CLINISTIX STRIP
 CLINITEST (2 DROP)
 CLINITEST ANALYSIS SET
 CLINITEST ANALYSIS SET (2 DROP)
 CLINITEST TABLET
 CLINITEST TABLET FOIL
 COMBISTIX
 DEXTROSTIX REAGENT STRIPS
 DEXTROSTIX REAGENT STRIPS FOIL
 DIASCAN DUAL PAD STRIPS
 DIASTIX STRIPS
 EXACTECH TEST STRIPS
 GLUCOFILM TEST STRIPS
 GLUCOSCAN TEST STRIPS
 GLUCOSTIX STRIPS
 HEMA-COMBISTIX
 HEMASTIX STRIPS
 HEMATEST TABLET
 KETO-DIASTIX
 KETO-DIASTIX 5
 KETOSTIX STRIPS
 LABSTIX
 LANCET FOR DIABETIC USE, STERILE
 N-URISTIX
 ONE TOUCH TEST STRIPS
 TES-TAPE
 TRACER BG STRIPS
 TRENDSTRIPS
 URISTIX
 VISIDEX II REAGENT STRIPS
 ANY PRODUCT EQUIVALENT TO THOSE ON THE ABOVE LIST OR ANY OTHER NONLISTED DIABETIC TESTING SUPPLY

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Section 140.449 Payment of Pharmacy Items (Cont'd)

Section 140. TABLE E Time Limits for Processing of Prior Approval Requests (Cont'd)

- e) Group care limited - The drug is available only to recipients residing in nursing homes.

14. Transportation to remote facilities outside Illinois and extra-ordinary modes of transportation 21

(Source: Amended at 15 Ill. Reg. _____, effective _____)

SUBPART H: ILLINOIS COMPETITIVE ACCESS AND REIMBURSEMENT EQUITY (ICARE) PROGRAM

Section 140. TABLE E Time Limits for Processing of Prior Approval Requests

ITEM/SERVICE NUMBER OF DAYS

1. Routine transportation within Illinois or to facilities normally utilized by Illinois residents 10
2. Supplies/sickroom needs costing less than \$100 21
3. Standard wheel chairs 21
4. Standard hospital beds 21
5. Specially-equipped hospital beds 21
6. Custom wheel chairs 30
7. Respiratory equipment 30
8. Other durable equipment 30
9. Braces, artificial limbs and other prosthetic devices 21
10. Custom-built shoes and shoes to which a brace or other corrective device is attached. 30
11. Hearing aids 30
12. In-patient hospital Physical rehabilitation services 30
13. Supplies/sickroom needs over \$100 30

15. Physical therapy 30

16. Speech therapy 30

17. Occupational therapy 30

18. Home Health Agency 21

19. Intermittent services in the home by a registered nurse 21

20. Private duty registered nurse service in a hospital 10

21. Dental Services 30

22. Dental Services for GA/AMI/Refugee Programs 30

23. Eye Care Services 30

24. Chiropodist Services 30

25. Podiatry Services 30

26-24. All other items or services requiring prior approval. 30

(Source: Amended at 15 Ill. Reg. _____, effective _____)

Section 140. TABLE F Podiatry Service Schedule (Repealed)

a) Podiatry-Medical-Visits

1) Office-Visits

A) Visit-office---(new-patient)-evaluation-history-examination-with-treatment

B) Visit-office---(established-patient)-examination-evaluation-and/or-treatment-same-or-new-illness

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NOTICE OF PROPOSED AMENDMENTS

Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- 2) Home-visits
- A) Visit-home
- B) Evaluation, history, examination and treatment
- 3) Hospital-visits
- A) Visit-hospital--(new-or-established-patient)-history-and-physiocal-examination, including treatment
- B) Extended-Care-Facilities, Convalescent-Hospital-Nursing-Home, and-Boarding-Home-visits
- C) Visit-facility--(first-patient-seen)-history-and-physiocal-examination, including care-or-treatment
- D) Visit-facility--(re-oiding-visit)-history-and-physiocal-examination, including treatment-of-additional-patient-(e.g., a-patient-that-is-seen-concurrentlly-with-other-patient(s)-during-the-doctors-visit-at-the-facility).
- 4) Consultations
- *Consultation-of-unusual-complexity-requiring-review-of-prior-medical-records-the-compliation-and-assessment-of-data-and-preparation-of-special-report, at-home, office-or-hospital
- B) Podiatric-Diagnostic-Radiology---Definitions
- 1) Foot, single-limited, two-views---1-plate
- 2) Feet, both, limited, two-views---2-plates
- 3) Foot-and-ankle-completo, minimum-of-three-views---3-plates
- E) Podiatric-Pathology

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NOTICE OF PROPOSED AMENDMENTS

Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- 1) Urinalysis
- 2) Urinalysis, routine, complete
- 3) Chemistry
- 4) Sugar-(glucose), blood
- 5) Uric-acid, blood, chemieal
- 6) Hematology
- 7) Bleeding-time
- 8) Blood-count, complete-(includes-rbe, wbe, hgb, differential)
- 9) Coagulation-time-(lee-and-white)
- 10) Sedimentation-rate-(esr)
- 11) Immunology
- 12) Latex-fixation, rheumatoid-factor
- 13) Microbiology
- 14) Microbial-analysis-microscopic-examination, stain-for-bacteria, fungi, parasites, inclusion-bodies, etc.
- 15) Microbial-analysis-fungi-microscopic-and-macroscopic-(culture)
- d) Physicai-Medicine
- Any-of-the-accepted-physical-therapy-modalities-used-in-combination-with-an-office-visit.
- e) Surgical-Procedures
- 1) Integumentary-System
- A) Incision
- B) Incision-and-drainage-of-subcutaneous-abscess

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Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- G) Incision-and-drainage-of-onychia-of-paronychia-with-partial-or-total-excision-of-avulsion-of-nail-and-with-or-without excision-of-granulation-tissue
- H) Incision-and-removal-of-foreign-body,-subungual-or-subcutaneous-issues
- I) Benign-Lesions
- J) *Excision-of-small-neoplasia,-cystic,-inflammatory-or-congenital-lesion-of-skin-of-subcutaneous-tissue-(e.g.,-verruca,-plantar-keratosis,-fibroma,-etc.)
- K) Nails
- L) *Avulsion-of-excision-of-nail-plate,-partial-or-complete,-simple
- M) Excision-of-nail,-nail-bed,-and/or-nail-fold-with-excision-of-matrix-and-plasty-(onyhectomy-with-plasty-or-onyhectomy)-partial
- N) Onyhectomy-(onyhectomy-with-plasty)-total
- O) Excision,-complete-(total)-of-nail-bed-and/or-nail-fold,-with-excision-of-matrix-and-with-partial-osteotomy-of-distal-phalanx-and-plasty-of-tee-(onyhectomy-with-daetylplasty-of-terminal-symes)
- P) Destruction-of-nail-root-and-matrix-with-partial-excision-of-avulsion-of-nail-using-one-of-the-following-methods--Negative-galvanism,-electrocoagulation,-fulguration,-desiccation,-phenolization,-cryocautery,-(CO2,-M2)-or-with-power-surgical-drill-of-buff
- Q) Same-as-above---total-nail
- R) Introduction

- S) Injection-of-a-corticosteroid-solution-to-lesion(s)
- T) Repair---Simple
- U) *Wound,-repair-of,-(e.g.,-suture-of,-etc.)
- V) Destruction
- W) *Electrosurgical-destruction,-with-or-without-surgical-curettement-of-small,-single-lesion,-(e.g.,-verruca,-nail,-keratosis,-etc.)
- X) Specifie
- Y) Incision
- Z) Tenotomy,-subcutaneous,-corrective
- AA) Tenoplasty-for-lengthening-of-shortening-of-tendon-of-tee,-unilateral,-(independent-procedure)
- AB) Excision
- AC) Excision-of-peripheral-neuroma-(Morton's-neuroma)-neurofibroma-Schwannoma,-etc.)-of-digit-of-interdigital-regions-of-lesser-toes,-single
- AD) Excision-of-lesion-of-tendon-of-fibrous-sheath-of-capsule-(e.g.,-cyst-of-ganglion,-etc.)-from-the-foot
- AE) Excision-of-chondroma,-exostosis,-osteochondroma,-osteoma,-etc.-from-a-tarsal-bone,-other-than-the-calcaneus-of-talus,-by-open-reduction
- AF) Same-as-item-above---from-the-calcaneus,-by-open-reduction
- AG) Same-as-item-above---from-the-calcaneus,-by-subcutaneous-(percutaneous)-technique-using-rasp-or-drill

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Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- J) Same-as-item-above---from-a-phalangeal-bone,-subcutaneous-method
- K) Osteotomy,-partial-excision-of-fifth-metatarsal-head-(e.g.,-bunionetter-independent-procedure)
- L) Osteotomy,-partial-excision-of-metatarsal-head-(e.g.,-metatarsotomy,-partial,-such-as-a-condylectomy,-or-excision-of-head-of-metatarsal)
- M) Osteotomy,-partial-excision-of-a-phalanx-(phalangectomy,-partial-such-as-condylectomy,-or-excision-of-head-of-phalanx)
- N) Osteotomy,-partial,-of-calcaneus-for-Haglund's-deformity
- O) Phalangectomy,-lesser-toe,-total
- P) Sesamoidectomy,-(independent-procedure-and-not-part-of-a-procedure-for-the-repair-of-a-hallux-valgus)
- Q) Capsulotomy,-open,-for-contrastures,-metatarsophalangeal-joint,-with-or-without-tenodesis-(independent-procedure)
- R) Same-as-item-above---subcutaneous-(percutaneous)-procedure-(e.g.,-capsulotomy,-with-or-without-tenotomy-of-a-metatarsophalangeal-joint)
- S) Hallux-valgus,-correction-by-exosteotomy-(e.g.,-Silver-type-procedure-of-any-modification-thereof,-etc.,-unilateral)
- T) Same-as-item-above---Medoid-of-any-modification-thereof
- U) Arthroplasty,-metatarsophalangeal-joint-of-great-toe-(e.g.,-hallux-valgus-repair-by-Keller,-Mayo,-or-Stoner-etc.,-procedures-with-or-without-use-of-implant)

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Section 140. TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- V) Osteotomy-(e.g.,-cutting,-division-of-transsection-of-bone,-with-or-without-fixation,-independent-procedure-and/or-part-of-a-repair-procedure-for-hallux-valgus)-for-shortening-of-angular-correction-(e.g.,-dorsal-wedge-osteotomy-with-internal-fixation,-base-wedge-osteotomy,-extension-osteotomy,-etc.)-of-first-metatarsal-bone
- W) Same-as-item-above---for-a-lesser-metatarsal-bone,-single,-unilateral
- X) Subcutaneous-(percutaneous)-metatarsal-osteotomy-(osteolysis)-,-first-metatarsal,-for-shortening,-angular,-or-rotational-correction
- Y) Same-as-item-above---for-a-lesser-metatarsal,-single-(percutaneous)
- Z) Fracture-and/or-distraction
- AA) Tibia-or-fibula,-ankle,-closed-(simple)-,-without-reduction
- BB) OS-Calcis,-fracture,-closed-(simple)-,-without-reduction
- CC) Metatarsal-valgus,-fracture,-closed-(simple)-,-without-reduction
- DD) Tarsal-bone(s)-(-except-astagathus-of-os-calcis)-,-fracture(s)-,-closed-(simple)-,-without-reduction
- EE) Metatarsal,-fracture,-first-metatarsal-bone,-closed-(simple)-,-without-reduction
- FF) Metatarsal(s)-(-other-than-first-metatarsal-bone)-,-fracture(s)-,-closed-(simple)-,-without-reduction
- GG) Phalanx-of-phalanges,-fracture,-great-toe,-closed-(simple)-,-without-reduction

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NOTICE OF PROPOSED AMENDMENTS

TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- HH) *Same-as-item-above---other-than-great-toe, without-reduction
- II)---Metatarsal---phalangeal-joint, dislocation, closed-(simple)-manipulative-reduction-requiring-anesthesia
- JJ) Interphalangeal-joint, dislocation, closed-(simple)-manipulative-reduction, requiring-anesthesia
- KK) Strapping
- LL) Unna-Boot
- FF) Orthomechanical-Procedures
- 1) Metal-Foot-Plates
- 2) Shaeffer-plate-(custom-made-to-model)-pair
- 3) Roberts-Foot-plate-(custom-made-to-model)-pair
- 4) Whitman-Foot-plate-or-brace-(custom-made-to-model)-pair
- 5) Thermoplastic-Plates-(Biomechanical)
- 6) Stabilization-and/or-mobilization-of-foot-by-use-of-a-thermoplastic-orthotic-(custom-made-to-model-and-biomechanically)-with-forefoot-post, pair
- 7) Molded-Inlays-(Balance-Inlays)
- 8) The-stabilization, balance-and-mobilization-of-the-foot-partial-or-total-by-use-of-a-full-extension-or-partial-molded-inlay-made-to-foot-models-with-an-elevation-up-to-3/4"-and-with-a-matching-insert-as-an-interior-show-modification---Removable-type---(All-types-of-balance-inlays--Bergmann-Levy-Brachman-Contour-Molded-Latex, etc)---Single-with-matching-insert-or-a-pair
- 9) Shoes

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NOTICE OF PROPOSED AMENDMENTS

TABLE F Podiatry Service Schedule (Repealed)
(Cont'd)

- 10) Custom-made, to-models, of-contents-of-space-shoes-with-interior-modifications, pair
- 11) Shoe-Modifications-(exterior)
- 12) Stabilization-and/or-mobilization-of-foot-by-use-of-exterior-modifications-to-shoes, such-as-orthopedic-heals, -corkma-bars, heel-of-sole-wedges, etc, pair
- 13) Shoe-Modifications, Interior-(Shoe-padding, etc)
- 14) The-stabilization-and-removal-of-pressure-from-the-affected-areas-of-the-feet-by-use-and-application-of-accommodative-shoe-paddings-to-the-interior-of-the-shoes, pair
- 15) Insole-Extra-(e.g., "Spencer", "Alplast", cork, "Gelastex", "Kwik-Mold", Styrofoam, Leather, etc)
- 16) Splints, Mechanical
- 17) Mobilization-and/or-partial-immobilization-of-joint-motions-in-foot-and-leg, by-use-of-splints-attached-to-shoes-and-adjusted-as-indicated-for-the-specific-deformity
- 18) Protective-Devices
- 19) Protective-devices-for-the-alleviation-of-disposition-of-pressure, such-as-from-digital-deformities, foot-deformities, and-skin-lesions, such-as-ulcers, claw, hyperkeratosis, etc, Latex-bunion
- 20) Same-as-above-but-for-a-latex-hammer-toe-shield, single
- *Agency-Note---Report-must-accompany-billing-statement
- **Agency-Note---With-use-of-total-anesthesia
- (Source: Repealed at 15 Ill. Reg. _____, effective _____)

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

1) The Heading of the Part: Organic Material Emission Standards and Limitations

2) Code Citation: 35 Ill. Adm. Code 215

3) Section Number: Adopted Action:

215.100 amended
215.581 amended

4) Statutory Authority: Ill. Rev. Stat. 1989, ch. 1114, pars. 1010, 1027, and 1028.2.

5) Effective Date of Rule(s) (Amendments, Repealer): August 19, 1991

6) Does this rulemaking contain an automatic repeal date?: No.

If so, please specify date: _____

7) Does this rule (amendment, repealer) contain incorporations by reference? No.

If "yes," is a copy of the approval form issued by JCAR attached to this rulemaking?

8) Date filed in agency's principal office: July 25, 1991.

9) Notice(s) of proposal published in Illinois Register: 15 Ill. Reg. 3659, March 15, 1991.

10) Has JCAR issued a Statement of Objection to this (these) rule(s)? If answer is "yes," please complete the following:

JCAR did not issue a statement of objection.

A) Statement of Objection: _____, _____ Ill. Reg. _____

B) Agency Response: _____, _____ Ill. Reg. _____

C) Date Agency response submitted for approval to JCAR:

11) Difference(s) between proposal and final version: There are no differences.

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

All changes have been made.

13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

14) Are there any amendments pending on this Part?

Section Numbers: Proposed Action: Ill. Reg. Citation:

215.108 new section 15 Ill. Reg. 6414 (May 3, 1991)

215.123 amended 15 Ill. Reg. 768 (January 25, 1991)

215.215 new section 15 Ill. Reg. 11059 (August 2, 1991)

15) Summary and purpose of rule(s): In order to correct deficiencies in Illinois' state implementation plan (SIP) for ozone, the Board has adopted two new Parts (35 Ill. Adm. Code 218 and 219) which require the implementation of reasonably available control technology (RACT) for certain sources of volatile organic material (VOM) in the Chicago and Metro-East areas. Therefore, Part 215 has been amended to exempt these two areas (Chicago and Metro-East) from the Part 215 rules, and to refer readers to the new Parts.

16) Information and questions regarding this adopted rule shall be directed to:

Elizabeth Schroer Harvey
Illinois Pollution Control Board
100 W. Randolph Street
Suite 11-500
Chicago, IL 60601

312/814-6921

The full text of the adopted rule(s) begins on the following page:

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 215

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS

SUBPART A: GENERAL PROVISIONS

Section

215.100 Introduction
215.101 Clean-up and Disposal Operations
215.102 Testing Methods
215.103 Abbreviations and Conversion Factors
215.104 Definitions
215.105 Incorporations by Reference
215.106 Afterburners
215.107 Determination of Applicability

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section

215.121 Storage Containers
215.122 Loading Operations
215.123 Petroleum Liquid Storage Tanks
215.124 External Floating Roofs
215.125 Compliance Dates and Geographical Areas
215.126 Compliance Plan
215.127 Emissions Testing
215.128 Measurement of Seal Gaps

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section

215.141 Separation Operations
215.142 Pumps and Compressors
215.143 Vapor Blowdown
215.144 Safety Relief Valves

SUBPART E: SOLVENT CLEANING

Section

215.181 Solvent Cleaning in General
215.182 Cold Cleaning

POLLUTION CONTROL BOARD

NOTICE OF ADOPTED AMENDMENTS

SUBPART F: COATING OPERATIONS

215.183 Open Top Vapor Degreasing
215.184 ConveyORIZED Degreasing
215.185 Compliance Plan

Section

215.202 Compliance Schedules
215.204 Emission Limitations for Manufacturing Plants
215.205 Alternative Emission Limitations
215.206 Exemptions from Emission Limitations
215.207 Compliance by Aggregation of Emission Sources
215.208 Testing Methods for Volatile Organic Material Content
215.209 Exemption from General Rule on Use of Organic Material
215.210 Alternative Compliance Schedule
215.211 Compliance Dates and Geographical Areas
215.212 Compliance Plan
215.213 Special Requirements for Compliance Plan
215.214 Roadmaster Emissions Limitations

SUBPART H: SPECIAL LIMITATIONS FOR SOURCES IN ~~HATCH~~ ~~UNREINFORCED~~
AREAS WHICH ARE NONATTAINMENT FOR OZONE

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215.240 Applicability
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Appendix C List of Chemicals

Appendix D Defining Synthetic Organic

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Appendix E Reference Methods and Procedures

Appendix F Coefficients for the Total Resource Effectiveness

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AUTHORITY: Implementing Section 10 and authorized by Section 27 of the Environmental Protection Act (Ill. Rev. Stat. 1989, ch. 111 1/2, pars. 1010 and 1027).

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 205: Organic Material Emission Standards and Limitations, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R77-3, 33 PCB 357, at 3 Ill. Reg. 18, p. 41, effective May 3, 1979; amended in R78-3 and R78-4, 35 PCB 75, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5 at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13601; Notice of Corrections at 7 Ill. Reg. 14575; amended in R82-14 at 8 Ill. Reg. 13254, effective July 12, 1984; amended in R83-36 at 9 Ill. Reg. 9114, effective May 30, 1985; amended in R82-14 at 9 Ill. Reg. 13960, effective August 28, 1985; amended in R85-28 at 11 Ill. Reg. 3127, effective

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February 3, 1987; amended in R82-14 at 11 Ill. Reg. 7296, effective April 3, 1987; amended in R85-21(A) at 11 Ill. Reg. 11770, effective June 29, 1987; recodified in R86-39 at 11 Ill. Reg. 13541; amended in R82-14 and R86-12 at 11 Ill. Reg. 16706, effective September 30, 1987; amended in R85-21(B) at 11 Ill. Reg. 19117, effective November 9, 1987; amended in R86-36, R86-39, R86-40 at 11 Ill. Reg. 20829, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 815, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7311, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7650, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10893, effective June 27, 1989; amended in R88-30(A) at 14 Ill. Reg. 3555, effective February 27, 1990; emergency amendments adopted in R88-30(A) at 14 Ill. Reg. 6421, effective April 11, 1990, for a maximum of 150 days; amended in R88-19 at 14 Ill. Reg. 7596, effective May 8, 1990; amended in R89-16(A) at 14 Ill. Reg. 9173, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 3309, effective February 13, 1991; amended in R91-7 at 15 Ill. Reg. 12217, effective August 19, 1991.

SUBPART A: GENERAL PROVISIONS

Section 215.100 Introduction

a) This Part contains standards and limitations for emissions of organic material from stationary sources located in areas other than the Chicago area counties of Cook, DuPage, Kane, Lake, McHenry, and Will and the Metro East area counties of Madison, Monroe, and St. Clair. Standards and limitations applying in the Chicago area are set forth in Part 218. Standards and limitations applying in the Metro East area are set forth in Part 219.

1) Notwithstanding any other provision of this Part, the provisions of this Part shall not apply to sources located in the Chicago area counties of Cook, DuPage, Kane, Lake, McHenry and Will unless the provisions of 35 Ill. Adm. Code Part 218 applicable to such sources are voided or otherwise made ineffective pursuant to Section 218.100 of 35 Ill. Adm. Code Part 218.

2) Notwithstanding any other provision of this Part, the provisions of this Part shall not apply to sources in the Metro East area counties of Madison.

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Monroe and St. Clair unless the provisions of 35 Ill. Adm. Code Part 219 applicable to such sources are voided or otherwise made ineffective pursuant to Section 219.100 of 35 Ill. Adm. Code Part 219.

- b) Sources subject to this Part may be subject to the following:
 - 1) Permits required under 35 Ill. Adm. Code 201;
 - 2) Air quality standards under 35 Ill. Adm. Code 243.
- c) This Part is divided into Subparts which are grouped as follows:
 - 1) Subpart A: General provisions;
 - 2) Subparts B - J: Emissions from equipment and operations in common to more than one industry;
 - 3) Subparts K - M: Emissions from use of organic material;
 - 4) Subparts N - end: Special rules for various industry groups.

(Source: Amended at 15 Ill. Reg. 12217, effective August 19, 1991.)

SUBPART Y: GASOLINE DISTRIBUTION

Section 215.581 Bulk Gasoline Plants

- a) Subject to subsection (e), no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:
 - 1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d)(4);
 - 2) Each vapor collection system is operating;
 - 3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 215.584(b)

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or (d);

- 4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest pressure allowed by state or local fire codes or the guidelines of the National Fire Prevention Association; and
- 5) The stationary storage tank is equipped with a submerged loading pipe.
- b) Subject to subsection (f), no person may cause or allow the transfer of gasoline from a stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:
 - 1) The requirements set forth in subsections (a)(1) through (a)(4) are met; and
 - 2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.
- c) Subject to subsection (e), each owner of a stationary storage tank located at a bulk gasoline plant shall:
 - 1) Equip each stationary storage tank with a vapor control system that meets the requirements of subsection (a) or (b), whichever is applicable;
 - 2) Provide instructions to the operator of the bulk gasoline plant describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (e), each operator of a bulk gasoline plant shall:
 - 1) Maintain and operate each vapor control system in accordance with the owner's instructions;

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- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system; and
- 3) Maintain gauges, meters or other specified testing devices in proper working order;
- 4) Operate the bulk plant vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water, as measured as close as possible to the vapor hose connection; and
 - B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B; and
 - C) Avoidable leaks of liquid during loading or unloading operations.
- 5) Provide a pressure tap or equivalent on the bulk plant vapor collection system in order to allow the determination of compliance with 215.581(d)(4)(A); and
- 6) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) or (B).
- e) The requirements of subsections (a), (c) and (d) shall not apply to:
 - 1) Any stationary storage tank with a capacity of less than 575 gallons; or
 - 2) Any bulk gasoline plant whose annual gasoline throughput is less than 350,000 gallons as averaged over the preceding three calendar years.

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- f) The requirements of subsection (b) shall only apply to bulk gasoline plants:
 - 1) That have an annual gasoline throughput greater than or equal to 1,000,000 gallons, as averaged over the preceding three calendar years; and
 - 2) That either distribute gasoline to gasoline dispensing facilities subject to the requirements of Section 215.583(a)(2), 35 Ill. Adm. Code 218.583(b)(2) or 35 Ill. Adm. Code 219.583(a)(2) or that are located in the following counties: Boone, Cook, DuPage, Kane, Lake, Madison, McHenry, Peoria, Rock Island, St. Clair, Tazewell, Will or Winnebago.
- g) Bulk gasoline plants were required to take certain actions to achieve compliance which are summarized in Appendix C.

(Source: Amended at 15 Ill. Reg. 12217, effective August 19, 1991.)

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- 1) The Headings of the Part: Organic Material Emission Standards and Limitations for the Chicago Area

- 2) Code Citation: 35 Ill. Adm. Code 218

- 3) Section Number: Adopted Action:

218.100 new section
218.101 new section
218.102 new section
218.103 new section
218.104 new section
218.105 new section
218.106 new section
218.107 new section
218.108 new section
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218.303 new section
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218.521 new section
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 218.920 new section
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 218.926 new section
 218.927 new section

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218.928 new section
 218.940 new section
 218.943 new section
 218.946 new section
 218.947 new section
 218.948 new section
 218.960 new section
 218.963 new section
 218.966 new section
 218.967 new section
 218.968 new section
 218.980 new section
 218.983 new section
 218.986 new section
 218.987 new section
 218.988 new section
 218.990 new section
 218.991 new section
 Appendix A new section
 Appendix B new section
 Appendix C new section
 Appendix D new section

- 4) Statutory Authority: Ill. Rev. Stat. 1989, ch. 111¹, pars. 1010, 1027, and 1028.2.
- 5) Effective Date of Rule(s) (Amendments, Repealer): August 16, 1991
- 6) Does this rulemaking contain an automatic repeal date?: No.
 If so, please specify date: _____
- 7) Does this rule (amendment, repealer) contain incorporations by reference? Yes.
 If "yes," is a copy of the approval form issued by JCAR attached to this rulemaking? Yes.
- 8) Date filed in agency's principal office: July 25, 1991
- 9) Notice(s) of proposal published in Illinois Register: 15 Ill. Reg. 3675, March 15, 1991.

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- 10) Has JCAR issued a Statement of Objection to this (these) rule(s)? If answer is "yes," please complete the following:

JCAR did not issue a statement of objection.

- 11) Difference(s) between proposal and final version:

Substantive changes to the proposed rules are indicated by strike-throughs and underlining. The Board also made several non-substantive changes, such as typographical and grammatical corrections.

Section 218.103 Applicability

The provisions of this Part shall apply to all sources located in Cook, DuPage, Kane, Lake, McHenry or Will Counties.

- a) ~~The provisions of this Part shall become effective sixty days after a final decision by the federal appellate court of the general appeal (Illinois Environmental Regulatory Group v. USEPA, No. 90-2770 (and consolidated cases) (7th Cir.)) of the federal implementation plan (FIP) for the Chicago area promulgated by the U.S. Environmental Protection Agency (55 Fed. Reg. 26184, June 29, 1990; 55 Fed. Reg. 31981, August 6, 1990; 55 Fed. Reg. 39774, September 28, 1990), provided, however, that if a provision of the FIP is voided or made ineffective by a federal court, the corresponding provision in this proceeding shall not become effective.~~

- b) ~~The provisions of this Part specifically applicable to each appellant who appealed the FIP for the Chicago area shall become effective sixty days after a final decision of that appellant's appeal by the federal appellate court; provided, however, that if the provisions of the FIP applicable to that party are voided or made ineffective by a federal court, the corresponding provisions in this proceeding shall not become effective.~~

- a) The provisions of this Part shall become effective on July 1, 1991 with the following exceptions:

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- 1) The provisions of this Part shall become effective on September 1, 1991 for each appellant, including the constituents represented by appellants who are associations, who has appealed the federal implementation plan (FIP) for the Chicago area (Illinois Regulatory Group v. USEPA, No. 90-2770 (and consolidated cases) (7th Cir.)).

- 2) The effectiveness of any provision of this Part applicable to any individual source or category of sources which has appealed the FIP shall be stayed to the extent that such individual source or category of sources received a stay of the effectiveness of the FIP from USEPA or from a court. When the court has taken final action or when USEPA has published in the Federal Register final action to revise or affirm the provisions of the FIP specifically applicable to such individual source or category of sources or such stay is terminated, the Board shall take corresponding action, if necessary, by the adoption of a peremptory rule pursuant to 35 Ill. Adm. Code 102.347 and Section 5.03 of the Administrative Procedure Act (Ill. Rev. Stat. 1989, ch. 127, ch. 1005.03).

- b) The provisions of the Part shall not apply to Viskase Corporation; Allsteel, Incorporated; Stepan Company; or Ford Motor Company to the extent such source has obtained an adjusted standard from the Board or an exclusion from the General Assembly for any Subpart of this Part or of Part 215.

Section 218.104 Definitions

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical

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emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity or maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of any such limitations. Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a "rolling limit" shall be employed. Any production or capacity limitations shall be verified through appropriate recordkeeping.

(Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a monthly basis; that is, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit.

Section 218.105

Testing Methods and Procedures

- i) 1) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission source which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specific in this Part.

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- 2) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 218.106

Compliance Dates

- a) ~~Compliance with the requirements of all rules is required by July 1, 1991, or sixty days after a final decision by a federal court of the general appeal of the FIP (Illinois Environmental Regulatory Group v. USEPA, No. 90-2778 (and consolidated cases) (7th Cir.)), whichever is later, consistent with the provisions of Section 218.103.~~
- b) ~~Compliance with the requirements of provisions of this Part specifically applicable to a category of sources which is the same as any of the individual appeals of the FIP shall be required by July 1, 1991, or sixty days following a final decision by a federal court of the appeal of the FIP impacting the specific category of sources, whichever is later, consistent with the provisions of Section 218.103.~~

Compliance with the requirements of this Part is required by July 1, 1991 or September 1, 1991, consistent with the appropriate provisions of Section 218.103.

Section 218.928

Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 218.926 by using the applicable test methods and procedures specified in Section 218.105.~~

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.926, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

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Section 218.948 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 218.946 by using the applicable test methods and procedures specified in Section 218.105.~~

a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.946, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 218.968 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 218.966 by using the applicable test methods and procedures specified in Section 218.105.~~

a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.966, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 218.980 Applicability

a) The requirements of this Subpart shall apply to a plant's VOM emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y, Z, AA, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if

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the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(l)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.

Section 218.988 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 218.986 by using the applicable test methods and procedures specified in Section 218.105.~~

a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.986, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 218.991 Subject Emission Sources

a) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:

- 1) By a date consistent with Section 218.106, or upon initial start-up of a new emission source, the owner or operator of the subject VOM emission

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source shall ~~perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate to the Agency that the subject emission source will be in compliance on and after a date consistent with Section 218.106, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.~~

- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a subject VOM emission source shall collect and record all of the following information each day and maintain the information at the facility for a period of three years:
 - A) Control device monitoring data.
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject VOM emission source shall notify the Agency in the following instances:
 - A) Any record showing a violation of the requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
 - B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the

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owner or operator shall comply with all requirements of subsection (b)(1). Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b).

- 4) A) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.
 - B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.
- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

All changes have been made.
- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.
- 14) Are there any amendments pending on this Part? No.

Are there any amendments pending on this Part? No.
- 15) Summary and Purpose of Rule(s):

The rules (docket R91-7) are designed to control organic material emissions, in an effort to reduce the formation of the pollutant ozone in the atmosphere. The rules correct deficiencies in Illinois' state implementation plan (SIP) for ozone in the Chicago area, and require the implementation of reasonably available control technology (RACT) for certain sources of volatile organic material (VOM). This rulemaking is required by the federal Clean Air Act Amendments of 1990.

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- 16) Information and questions regarding this adopted rule shall be directed to:

Elizabeth Schroer Harvey
Illinois Pollution Control Board
100 W. Randolph Street
Suite 11-500
Chicago, IL 60601

312/814-6921

The full text of the adopted rule(s) begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 218

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS
FOR THE CHICAGO AREA

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AUTHORITY: Implementing Section 10 and authorized by Section
28.2 of the Environmental Protection Act (Ill. Rev. Stat. 1989,
ch. 111 1/2, pars. 1010 and 1028.2)

SOURCE: Adopted in R91-7 at 15 Ill. Reg. 12231, effective August 16,
1991.

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SUBPART A: GENERAL PROVISIONS

Section 218.100 Introduction

- a) This Part contains standards and limitations for emissions of organic material from stationary sources located in the Chicago area, which is comprised of Cook, DuPage, Kane, Lake, McHenry and Will Counties.
- b) Sources subject to this Part may be subject to the following:
- 1) Permits required under 35 Ill. Adm. Code 201;
 - 2) Air quality standards under 35 Ill. Adm. Code 243;
- c) This Part is divided into Subparts which are grouped as follows:
- 1) Subpart A: General Provisions
 - 2) Subparts B-F: Emissions from equipment and operations in common to more than one industry;
 - 3) Subpart G: Emissions from use of organic material;
 - 4) Subparts H-end: Special rules for various industry groups.

Section 218.101 Cleanup and Disposal Operation

Emission of organic material released during clean-up operations and disposal shall be included with other emissions of organic material from the related emission source or air pollution control equipment in determining total emissions.

Section 218.102 Abbreviations and Conversion Factors

- a) The following abbreviations are used in this Part:

ASTM American Society for Testing and Materials
bbl barrels (42 gallons)
°C degrees Celsius or centigrade
cm centimeters

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cu in cubic inches
°F degrees Fahrenheit
FIP Federal Implementation Plan
ft feet
ft² square feet
g grams
gpm gallons per minute
g/mole grams per mole
gal gallons
hr hours
in inches
°K degrees Kelvin
kcal kilocalories
kg kilograms
kg/hr kilograms per hour
kPa kilopascals; one thousand newtons per square meter
l liters
l/sec liters per second
lbs pounds
lbs/hr pounds per hour
lbs/gal pounds per gallon
LEL lower explosive limit
m meters
m² square meters
m³ cubic meters
mg milligrams
Mg Megagrams, metric tons or tonnes
ml milliliters
min minutes
MJ megajoules
mm Hg millimeters of mercury
NDO Natural Draft Opening
ppm parts per million
ppmv parts per million by volume
psi pounds per square inch
psia pounds per square inch absolute
psig pounds per square inch gauge
scf standard cubic feet
scm standard cubic meters
sec seconds
SIP State Implementation Plan
TTE temporary total enclosure
sq cm square centimeters
sq in square inches
T English ton

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ton English ton
USEPA United States Environmental Protection Agency
VOC volatile organic compounds
VOL volatile organic liquids
VOM volatile organic materials

b) The following conversion factors are used in this Part.

English	Metric
1 gal	3.785 l
1,000 gal	3,785 l or 3.785 m ³
1 psia	6.897 kPa (51.71 mm Hg)
2,205 lbs	1 kg
1 bbl	159.0 l
1 cu in	16.39 ml
1 lb/gal	119,800 mg/l
1 ton	0.907 Mg
1 T	0.907 Mg

Section 218.103 Applicability

The provisions of this Part shall apply to all sources located in Cook, DuPage, Kane, Lake, McHenry or Will Counties.

a) The provisions of this Part shall become effective on July 1, 1991 with the following exceptions:

- 1) The provisions of this Part shall become effective on September 1, 1991 for each appellant, including the constituents represented by appellants who are associations, who has appealed the federal implementation plan (FIP) for the Chicago area (Illinois Regulatory Group v. USEPA, No. 90-2778 (and consolidated cases) (7th Cir.)).
- 2) The effectiveness of any provision of this Part applicable to any individual source or category of sources which has appealed the FIP shall be stayed to the extent that such individual source or category of sources received a stay of the effectiveness of the FIP from USEPA or from a court. When the court has taken final action or when USEPA has published in the Federal Register final action to revise or affirm the provisions of

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the FIP specifically applicable to such individual source or category of sources or such stay is terminated, the Board shall take corresponding action, if necessary, by the adoption of a peremptory rule pursuant to 35 Ill. Adm. Code 102.347 and Section 5.03 of the Administrative Procedure Act (Ill. Rev. Stat. 1989, ch. 127, ch. 1005.03).

- b) The provisions of the Part shall not apply to Viskase Corporation; Allsteel, Incorporated; Stepan Company; or Ford Motor Company to the extent such source has obtained an adjusted standard from the Board or an exclusion from the General Assembly for any Subpart of this Part or of Part 215.

Section 218.104 Definitions

The following terms are defined for the purpose of this Part.

"Accelacota" means a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied by spraying, and the coating is dried by the flow of air across the drum through the perforations.

"Accumulator" means the reservoir of a condensing unit receiving the condensate from a surface condenser.

"Acid gases" means for the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat. 1987, ch. 111 1/2, par. 1009.4), hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination thereof.

"Actual emissions" means the actual quantity of VOM emissions from an emission source during a particular time period.

"Actual heat input" means the quantity of heat produced by the combustion of fuel using the gross heating value of the fuel.

"Adhesive" means any substance or mixture of substances intended to serve as a joining compound.

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"Afterburner" means a control device in which materials in gaseous effluent are combusted.

"Air contaminant" means any solid, liquid, or gaseous matter, any odor, or any form of energy, that is capable of being released into the atmosphere from an emission source.

"Air dried coatings" means any coatings that dry by use of air or forced air at temperatures up to 363.15 K (194°F).

"Air pollution" means the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant, or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.

"Air pollution control equipment" means any equipment or facility of a type intended to eliminate, prevent, reduce or control the emission of specified air contaminants to the atmosphere.

"Air suspension coater/dryer" means a pharmaceutical coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

"Airless spray" means a spray coating method in which the coating is atomized by forcing it through a small opening at high pressure. The coating liquid is not mixed with air before exiting from the nozzle.

"Air-assisted airless spray" means a spray coating method which combines compressed air with hydraulic pressure to atomize the coating material into finer droplets than is achieved with pure airless spray. Lower hydraulic pressure is used than with airless spray.

"Allowable emissions" means the quantity of VOM emissions during a particular time period from a

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stationary source calculated using the maximum rated capacity of the source (unless restricted by federally enforceable limitations on operating rate, hours of operation, or both) and the most stringent of: the applicable standards in 40 CFR Parts 60 and 61; the applicable implementation plan; or a federally enforceable permit.

"Ambient air quality standards" means those standards designed to protect the public health and welfare codified in 40 CFR Part 50 and promulgated from time to time by the USEPA pursuant to authority contained in Section 108 of the Clean Air Act, 42 U.S.C. 7401 et seq., as amended from time to time.

"Applicator" means a device used in a coating line to apply coating.

"As applied" means the exact formulation of a coating during application on or impregnation into a substrate.

"Architectural coating" means any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings, which is site applied.

"Asphalt" means the dark-brown to black cementitious material (solid, semisolid, or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

"Asphalt prime coat" means a low-viscosity liquid asphalt applied to an absorbent surface as the first of more than one asphalt coat.

"Automobile" means a motor vehicle capable of carrying no more than 12 passengers.

"Automobile or light-duty truck assembly plant" means a facility where parts are assembled or finished for eventual inclusion into a finished automobile or light-duty truck ready for sale to vehicle dealers, but not including customizers, body shops, and other repainers.

"Automobile or light-duty truck refinishing" means the

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repainting of used automobiles and light-duty trucks.

"Baked coatings" means any coating which is cured or dried in an oven where the oven air temperature exceeds 90°C (194°F).

"Batch loading" means the process of loading a number of individual parts at the same time for degreasing.

"Read-dipping" means the dipping of an assembled tire bead into a solvent-based cement.

"Binders" means organic materials and resins which do not contain VOM.

"Bituminous coatings" means black or brownish coating materials which are soluble in carbon disulfide, which consist mainly of hydrocarbons, and which are obtained from natural deposits or as residues from the distillation of crude oils or of low grades of coal.

"British thermal unit" means the quantity of heat required to raise one pound of water from 60°F to 61°F (abbreviated btu).

"Brush or wipe coating" means a manual method of applying a coating using a brush, cloth, or similar object.

"Bulk gasoline plant" means a gasoline storage and distribution facility with an average throughput of 76,000 l (20,000 gal) or less on a 30-day rolling average that distributes gasoline to gasoline dispensing facilities.

"Bulk gasoline terminal" means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing facilities.

"Can" means any metal container, with or without a top, cover, spout or handles, into which solid or liquid materials are packaged.

"Can coating" means any coating applied on a single walled container that is manufactured from metal sheets

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thinner than 29 gauge (0.0141 in).

"Can coating facility" means a facility that includes one or more can coating line(s).

"Can coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of cans or can components.

"Capture" means the containment or recovery of emissions from a process for direction into a duct which may be exhausted through a stack or vent to a control device. The overall abatement of emissions from a process with an add-on control device is a function both of the capture efficiency and of the control device.

"Capture device" means a hood, enclosed room floor sweep or other means of collecting solvent or other pollutants into a duct. The pollutant can then be directed to a pollution control device such as an afterburner or carbon adsorber. Sometimes the term is used loosely to include the control device.

"Capture efficiency" means the fraction of all VOM generated by a process that are directed to an abatement or recovery device.

"Capture system" means all equipment (including, but not limited to, hoods, ducts, fans, ovens, dryers, etc.) used to contain, collect and transport an air pollutant to a control device.

"Clean Air Act" means the Clean Air Act of 1963, as amended, including the Clean Air Act Amendments of 1977 (42 U.S.C. 7401 et seq.), and the Clean Air Act Amendments of 1990 (P.L. 101-549).

"Clear coating" means coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

"Clear topcoat" means the final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.

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"Closed purge system" means a system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

"Closed vent system" means a system that is not open to the atmosphere and is composed of piping, connections, and, if necessary, flow inducing devices that transport gas or vapor from an emission source to a control device.

"Coating" means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, adhesives, thinners, diluents, and inks.

"Coating applicator" means equipment used to apply a coating.

"Coating line" means an operation consisting of a series of one or more coating applicators and any associated flash-off areas, drying areas, and ovens wherein a surface coating is applied, dried, or cured. (It is not necessary for an operation to have an oven, or flash-off area, or drying area to be included in this definition.)

"Coating plant" means any plant that contains one or more coating line(s).

"Coil" means any flat metal sheet or strip that is rolled or wound in concentric rings.

"Coil coating" means any coating applied on any flat metal sheet or strip that comes in rolls or coils.

"Coil coating facility" means a facility that includes one or more coil coating line(s).

"Coil coating line" means a coating line in which any protective, decorative or functional coating is applied onto the surface of flat metal sheets, strips, rolls,

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or coils for industrial or commercial use.

"Cold cleaning" means the process of cleaning and removing soils from surfaces by spraying, brushing, flushing, or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

"Complete combustion" means a process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

"Component" means, with respect to synthetic organic chemical and polymer manufacturing equipment, and petroleum refining and related industries, any piece of equipment which has the potential to leak VOM including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains, and open ended pipes. This definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service. For purposes of Subpart Q of this Part, this definition also excludes bleed ports of gear pumps in polymer service.

"Concrete curing compounds" means any coating applied to freshly poured concrete to retard the evaporation of water.

"Condensate" means volatile organic liquid separated from its associated gases, which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

"Continuous process" means, with respect to polystyrene resin, a method of manufacture in which the styrene raw material is delivered on a continuous basis to the reactor in which the styrene is polymerized to polystyrene.

"Control device" means equipment (such as an afterburner or adsorber) used to remove or prevent the emission of air pollutants from a contaminated exhaust stream.

"Control device efficiency" means the ratio of the

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pollution prevented by a control device and the pollution introduced to the control device, expressed as a percentage.

"Conveyorized degreasing" means the continuous process of cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

"Crude oil" means a naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen, or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

"Crude oil gathering" means the transportation of crude oil or condensate after custody transfer between a production facility and a reception point.

"Custody transfer" means the transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

"Cutback asphalt" means any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

"Daily-weighted average VOM content" means the average VOM content of two or more coatings as applied on a coating line during any day, taking into account the fraction of total coating volume that each coating represents, as calculated with the following equation:

$$VOM_w = \left\{ \sum_{i=1}^n V_i C_i \right\} / V_t$$

where:

VOM_w = The average VOM content of two or more coatings as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM),

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- n = The number of different coatings as applied each day on a coating line,
- V_i = The volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of 1 (gal).
- C_i = The VOM content of each coating as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM), and
- V_T = The total volume of all coatings (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of 1 (gal).

"Day" means the consecutive 24 hours beginning at 12:00 AM (midnight) local time.

"Degreaser" means any equipment or system used in solvent cleaning.

"Delivery vessel" means any tank truck or trailer² equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing facility, bulk gasoline plant, or bulk gasoline terminal.

"Dip coating" means a method of applying coatings in which the part is submerged in a tank filled with the coating.

"Distillate fuel oil" means fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil ASTM D-369-69 (1971).

"Dry cleaning facility" means a facility engaged in the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes,

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extraction of excess solvent by spinning and drying by tumbling in an airstream. The facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal systems, holding tanks, pumps and attendant piping and valves.

"Effluent water separator" means any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

"Electrostatic bell or disc spray" means an electrostatic spray coating method in which a rapidly-spinning bell- or disc-shaped applicator is used to create a fine mist and apply the coating with high transfer efficiency.

"Electrostatic spray" means a spray coating method in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the object due to the electrostatic potential between them.

"Emission rate" means total quantity of any air contaminant discharge into the atmosphere in any one-hour period.

"Emission source" and "source" mean any facility from which VOM is emitted or capable of being emitted into the atmosphere.

"Enamel" means a coating that cures by chemical cross-linking of its base resin. Enamels can be distinguished from lacquers because enamels are not readily resolvable in their original solvent.

"Enclose" means to cover any VOL surface that is exposed to the atmosphere.

"End sealing compound coat" means a compound applied to can ends which functions as a gasket when the end is assembled onto the can.

"Excess air" means air supplied in addition to the

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theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

"Excessive release" means a discharge of more than 295 g (0.65 lbs) of mercaptans and/or hydrogen sulfide into the atmosphere in any 5-minute period.

"Exterior base coat" means a coating applied to the exterior of a can body, or flat sheet to provide protection to the metal or to provide background for any lithographic or printing operation.

"Exterior end coat" means a coating applied to the exterior end of a can to provide protection to the metal.

"External-floating roof" means a cover over an open top storage tank consisting of a double deck or pontoon single deck which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Extreme environmental conditions" means exposure to any or all of the following: ambient weather conditions; temperatures consistently above 95°C (203°F); detergents; abrasive and scouring agents; solvents; or corrosive atmospheres.

"Extreme performance coating" means any coating which during intended use is exposed to extreme environmental conditions.

"Fabric coating" means any coating applied on textile fabric. Fabric coating includes the application of coatings by impregnation.

"Fabric coating facility" means a facility that includes one or more fabric coating lines.

"Fabric coating line" means a coating line in which any protective, decorative, or functional coating or reinforcing material is applied on or impregnated into a textile fabric.

"Federally enforceable" means all limitations and

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conditions which are enforceable by the Administrator including those requirements developed pursuant to 40 CFR Parts 60 and 61; requirements within any applicable implementation plan; and any permit requirements established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51 Subpart I and 40 CFR 51.166.

"Final repair coat" means the repainting of any topcoat which is damaged during vehicle assembly.

"Firebox" means the chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

"Fixed-roof tank" means a cylindrical shell with a permanently affixed roof.

"Flexographic printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of elastomeric materials.

"Flexographic printing line" means a printing line in which each roll printer uses a roll with raised areas for applying an image such as words, designs, or pictures to a substrate. The image carrier on the roll is made of rubber or other elastomeric material.

"Floating roof" means a roof on a stationary tank, reservoir, or other container which moves vertically upon change in volume of the stored material.

"Fountain solution" means the solution which is applied to the image plate to maintain hydrophilic properties of the non-image areas.

"Freeboard height" means for open top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank. For cold cleaning degreasers, the distance from the solvent to the top of the degreaser tank.

"Fuel combustion emission source" means any furnace, boiler, or similar equipment used for the primary

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purpose of producing heat or power by indirect heat transfer.

"Fuel gas system" means a system for collection of refinery fuel gas including, but not limited to, piping for collecting tail gas from various process units, mixing drums and controls, and distribution piping.

"Gas service" means that the component contains process fluid that is in the gaseous state at operating conditions.

"Gas/gas method" means either of two methods for determining capture which rely only on gas phase measurements. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would-be fugitive emissions are measured. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Gasoline" means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater which is used as a fuel for internal combustion engines.

"Gasoline dispensing facility" means any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

"Green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"Green tires" means assembled tires before molding and curing have occurred.

"Gross vehicle weight" means the manufacturer's gross weight rating for the individual vehicle.

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"Gross vehicle weight rating" means the value specified by the manufacturer as the maximum design loaded weight of a single vehicle.

"Heated airless spray" means an airless spray coating method in which the coating is heated just prior to application.

"Heatset" means a class of web-offset lithography which requires a heated dryer to solidify the printing inks.

"Heatset-web-offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

"Heavy liquid" means liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3°K (70°F) established in a standard reference text or as determined by ASTM method D2879-86 (incorporated by reference in Section 218.112); or which has 0.1 Reid Vapor Pressure as determined by ASTM method D323-82 (incorporated by reference in Section 218.112); or which when distilled requires a temperature of 421.95°K (300°F) or greater to recover 10 percent of the liquid as determined by ASTM method D86-82 (incorporated by reference in Section 218.112).

"Heavy off-highway vehicle products" means, for the purpose of Subpart F of this Part, heavy construction, mining, farming, or material handling equipment; heavy industrial engines; diesel-electric locomotives and associated power generation equipment; and the components of such equipment or engines.

"Heavy off-highway vehicle products coating facility" means a facility that includes one or more heavy off-highway vehicle products coating line(s).

"Heavy off-highway vehicle products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of heavy off-highway vehicle products.

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"High temperature aluminum coating" means a coating that is certified to withstand a temperature of 537.8°C (1000°F) for 24 hours.

"Hood" means a partial enclosure or canopy for capturing and exhausting, by means of a draft, the organic vapors or other fumes rising from a coating process or other source.

"Hood capture efficiency" means the emissions from a process which are captured by the hood and directed into a control device, expressed as a percentage of all emissions.

"Hot well" means the reservoir of a condensing unit receiving the condensate from a barometric condenser.

"Hour" means a block period of 60 minutes (e.g., 1:00am to 2:00am).

"In-process tank" means a container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating or cleaning operations in the manufacture of pharmaceuticals.

"In-situ sampling systems" means nonextractive samplers or in-line samplers.

"In-vacuum service" means, for the purpose of Subpart Q of this Part, equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

"Incinerator" means a combustion apparatus in which refuse is burned.

"Indirect heat transfer" means transfer of heat in such a way that the source of heat does not come into direct contact with process materials.

"Ink" means a coating used in printing, impressing, or transferring an image onto a substrate.

"Interior body spray coat" means a coating applied by spray to the interior of a can body.

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"Internal-floating roof" means a cover or roof in a fixed-roof tank which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Lacquers" means any clear wood finishes formulated with nitrocellulose or synthetic resins to dry by evaporation without chemical reaction, including clear lacquer sanding sealers.

"Large appliance" means any residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large appliance coating" means any coating applied to the component metal parts (including, but not limited to, doors, cases, lids, panels, and interior support parts) of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large appliance coating facility" means a facility that includes one or more large appliance coating line(s).

"Large appliance coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of large appliances.

"Light liquid" means VOM in the liquid state which is not defined as heavy liquid.

"Light-duty truck" means any motor vehicle rated at 3,850 kg gross vehicle weight or less, designed mainly to transport property.

"Liquid/gas method" means either of two methods for determining capture which require both gas phase and liquid phase measurements and analysis. The first method requires construction of a TTE. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down

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while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Liquid-mounted seal" means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the circumference of the roof.

"Liquid service" means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

"Liquids dripping" means any visible leaking from a seal including spraying, misting, clouding and ice formation.

"Lithographic printing line" means a printing line, except that the substrate is not necessarily fed from an unwinding roll, in which each roll printer uses a roll where both the image and non-image areas are essentially in the same plane (planographic).

"Low solvent coating" means a coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water-borne, higher solids, electro-deposition and powder coatings.

"Magnet wire" means aluminum or copper wire formed into an electromagnetic coil.

"Magnet wire coating" means any coating or electrically insulating varnish or enamel applied to magnet wire.

"Magnet wire coating facility" means a facility that includes one or more magnet wire coating line(s).

"Magnet wire coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of a magnet wire.

"Malfunction" means any sudden and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor

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maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

"Manufacturing process" means a method whereby a process emission source or series of process emission sources is used to convert raw materials, feed stocks, subassemblies, or other components into a product, either for sale or for use as a component in a subsequent manufacturing process.

"Material recovery section" means any equipment designed to transport and recover styrene monomer and other impurities from other products and by-products in a polystyrene plant, including but not limited to the styrene devolatilizer unit and styrene recovery unit.

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity of maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of any such limitations. Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a "rolling limit" shall be employed. Any

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production or capacity limitations shall be verified through appropriate recordkeeping.

(Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

"Metal furniture" means a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers.

"Metal furniture coating" means any non-adhesive coating applied to any furniture piece made of metal or any metal part which is or will be assembled with other metal, wood, fabric, plastic or glass parts to form a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers. This definition shall not apply to any coating line coating miscellaneous metal parts or products.

"Metal furniture coating facility" means a facility that includes one or more metal furniture coating line(s).

"Metal furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of metal furniture.

"Metallic shoe-type seal" means a primary or secondary seal constructed of metal sheets (shoes) which are joined together to form a ring, springs, or levers which attach the shoes to the floating roof and hold the shoes against the tank wall, and a coated fabric which is suspended from the shoes to the floating roof.

"Miscellaneous fabricated product manufacturing process" means:

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of

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emitting VOM:

Adhesives to fabricate or assemble components or products

Asphalt solutions to paper or fiberboard

Asphalt to paper or felt

Coatings or dye to leather

Coatings to plastic

Coatings to rubber or glass

Disinfectant material to manufactured items

Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pallets

Resin solutions to fiber substances

Viscose solutions for food casings

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Miscellaneous formulation manufacturing process" means:

A manufacturing process which compounds one or more of the following and is capable of emitting VOM:

Adhesives

Asphalt solutions

Caulks, sealants, or waterproofing agents

Coatings, other than paint and ink

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Concrete curing compounds

Dyes

Friction materials and compounds

Resin solutions

Rubber solutions

Viscose solutions

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Miscellaneous metal parts or products" means any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, magnet wire, automobiles, ships, and airplane bodies.

"Miscellaneous metal parts and products coating" means any coating applied to any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, and magnet wire. Prime coat, prime surfacer coat, topcoat, and final repair coat for automobiles and light-duty trucks are not miscellaneous metal parts and products coatings. However, underbody anti-chip (e.g., underbody plastisol) automobile and light-duty truck coatings are miscellaneous metal parts and products coatings. Also, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, and the customized topcoating of automobiles and trucks if production is less than 35 vehicles per day are not miscellaneous metal parts and products coatings.

"Miscellaneous metal parts or products coating facility" means a facility that includes one or more miscellaneous metal parts or products coating lines.

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"Miscellaneous metal parts or products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of miscellaneous metal parts or products.

"Miscellaneous organic chemical manufacturing process" means:

A manufacturing process which produces, by chemical reaction, one or more of the following organic compounds or mixtures of organic compounds and which is capable of emitting VOM:

Chemicals listed in Appendix A of this Part

Chlorinated and sulfonated compounds

Cosmetic, detergent, soap, or surfactant intermediaries or specialties and products

Disinfectants

Food additives

Oil and petroleum product additives

Plasticizers

Resins or polymers

Rubber additives

Sweeteners

Varnishes

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Monitor" means to measure and record.

"Multiple package coating" means a coating made from more than one different ingredient which must be mixed

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prior to using and has a limited pot life due to the chemical reaction which occurs upon mixing.

"No detectable volatile organic material emissions" means a discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 60.485(c).

"Offset" means, with respect to printing and publishing operations, use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.

"Opaque stains" means all stains that are not semi-transparent stains.

"Open top vapor degreasing" means the batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

"Open-ended valve" means any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

"Operator of gasoline dispensing facility" means any person who is the lessee of or operates, controls or supervises a gasoline dispensing facility.

"Organic compound" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.

"Organic material" means any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as solvents, viscosity reducers, or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates, and ammonium carbonate.

"Organic vapor" means the gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

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"Oven" means a chamber within which heat is used for one or more of the following purposes: dry, bake, cure, or polymerize a coating or ink.

"Overall control" means the product of the capture efficiency and the control device efficiency.

"Overvarnish" means a transparent coating applied directly over ink or coating.

"Owner of gasoline dispensing facility" means any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing facility.

"Owner or operator" means any person who owns, operates, leases, controls, or supervises an emission source or air pollution control equipment.

"Packaging rotogravure printing" means rotogravure printing upon paper, paper board, metal foil, plastic film, and other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

"Packaging rotogravure printing line" means a rotogravure printing line in which surface coatings are applied to paper, paperboard, foil, film, or other substrates which are to be used to produce containers, packaging products, or labels for articles.

"Paint manufacturing plant" means a plant that mixes, blends, or compounds enamels, lacquers, sealers, shellacs, stains, varnishes, or pigmented surface coatings.

"Paper coating" means any coating applied on paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, or pressure sensitive tapes. Paper coating includes the application of coatings by impregnation and/or saturation.

"Paper coating facility" means a facility that includes one or more paper coating lines.

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"Paper coating line" means a coating line in which any protective, decorative, or functional coating is applied on, saturated into, or impregnated into paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, and pressure sensitive tapes.

"Parts per million (volume)" means a volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volume of gas.

"Person" means any individual, corporation, partnership, association, State, municipality, political subdivision of a State; any agency, States; department, or instrumentality of the United States; and any officer, agent, or employee thereof.

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

"Petroleum liquid" means crude oil, condensate or any finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in ASTM D-396-69, gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ASTM D-2880-71 or diesel fuel oils Numbers 2-D and 4-D, as specified in ASTM D-975-68.

"Petroleum refinery" means any facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum, or through redistillation, cracking, or reforming of unfinished petroleum derivatives.

"Pharmaceutical" means any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease in human and animal.

"Pharmaceutical coating operation" means a device in which a coating is applied to a pharmaceutical, including air drying or curing of the coating.

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"Photochemically reactive material" means any organic material with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic type of unsaturation: 5 percent. This definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene: 20 percent.

"Pigmented coatings" means opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface either as an undercoat or topcoat.

"Plant" means all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control), except the activities of any marine vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "Major Group" (i.e., which have the same two-digit code) as described in the "Standard Industrial Classification Manual, 1987" (incorporated by reference in Section 218.112).

"Plasticizers" means a substance added to a polymer

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composition to soften and add flexibility to the product.

"Pneumatic rubber tire manufacture" means the production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

"Polystyrene plant" means any plant using styrene to manufacture polystyrene resin.

"Polystyrene resin" means substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.

"Pressure release" means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

"Pressure tank" means a tank in which fluids are stored at a pressure greater than atmospheric pressure.

"Prime coat" means the first of two or more coatings applied to a surface.

"Prime surfacer coat" means a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The prime surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a prime surfacer coat.

"Primers" means any coatings formulated and applied to substrates to provide a firm bond between the substrate and subsequent coats.

"Printing" means the application of words, designs, and pictures to a substrate using ink.

"Printing line" means an operation consisting of a series of one or more roll printers and any associated

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roll coaters, drying areas, and ovens wherein one or more coatings are applied, dried, and/or cured.

"Process" means any stationary emission source other than a fuel combustion emission source or an incinerator.

"Process unit" means components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 35 Ill. Adm. Code 218. Appendix A. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

"Process unit shutdown" means a work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare components and technically feasible bypassing of components without stopping production is not a process unit shutdown.

"Production equipment exhaust system" means a system for collecting and directing into the atmosphere emissions of volatile organic material from reactors, centrifuges, and other process emission sources.

"Publication rotogravure printing line" means a rotogravure printing line in which coatings are applied to paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, or other types of printed material.

"Purged process fluid" means liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated sample may then be taken for testing or analysis.

"Reactor" means a vat, vessel, or other device in which chemical reactions take place.

"Reasonably Available Control Technology (RACT)" means

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the lowest emission limitation that an emission source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

"Refiner" means any person who owns, leases, operates, controls, or supervises a refinery.

"Refinery fuel gas" means any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

"Refinery unit, process unit or unit" means a set of components which are a part of a basic process operation such as distillation, hydrotreating, cracking, or reforming of hydrocarbons.

"Refrigerated condenser" means a surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as refrigeration unit or steam chiller unit.

"Reid vapor pressure" means the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (psia) at 100°F (37.8°C).

"Repair coatings" means coatings used to correct imperfections or damage to furniture surface.

"Repaired" means, for the purpose of Subpart Q of this Part, that equipment component has been adjusted, or otherwise altered, to eliminate a leak.

"Residual fuel oil" means fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils A.S.T.M. D-396-69 (1971).

"Retail outlet" means any gasoline dispensing facility at which gasoline is sold or offered for sale for use in motor vehicles.

"Roll coater" means an apparatus in which a uniform layer of coating is applied by means of one or more rolls across the entire width of a moving substrate.

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"Roll printer" means an apparatus used in the application of words, designs, and pictures to a substrate, usually by means of one or more rolls each with only partial coverage.

"Roll printing" means the application of words, designs, and pictures to a substrate usually by means of a series of hard rubber or metal rolls each with only partial coverage.

"Roller coating" means a method of applying a coating to a sheet or strip in which the coating is transferred by a roller or series of rollers.

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a monthly basis; that is, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit.

"Rotogravure printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is recessed relative to the non-image area.

"Rotogravure printing line" means a printing line in which each roll printer uses a roll with recessed areas for applying an image to a substrate.

"Safety relief valve" means a valve which is normally closed and which is designed to open in order to relieve excessive pressures within a vessel or pipe.

"Sanding sealers" means any coatings formulated for and applied to bare wood for sanding and to seal the wood for subsequent application of varnish. To be considered a sanding sealer a coating must be clearly labelled as such.

"Sealer" means a coating containing binders which seals wood prior to the application of the subsequent coatings.

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"Sensor" means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

"Semi-transparent stains" means stains containing dyes or semi-transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, toner, non-grain raising stains, pad stain, or spatter stain.

"Set of safety relief valves" means one or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

"Sheet basecoat" means a coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two-piece or three-piece cans.

"Side-seam spray coat" means a coating applied to the seam of a three-piece can.

"Single coat" means one coating application applied to a metal surface.

"Solvent" means a liquid substance that is used to dissolve or dilute another substance.

"Solvent cleaning" means the process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing, or conveyORIZED degreasing.

"Specified air contaminant" means any air contaminant as to which this Part contains emission standards or other specific limitations.

"Splash loading" means a method of loading a tank, railroad tank car, tank truck, or trailer by use of other than a submerged loading pipe.

"Stack" means a flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

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"Standard conditions" means a temperature of 70°F and a pressure of 14.7 psia.

"Standard cubic foot (scf)" means the volume of one cubic foot of gas at standard conditions.

"Standard Industrial Classification Manual" means the Standard Industrial Classification Manual (1987), Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 (incorporated by reference in Section 218.112).

"Start-up" means the setting in operation of an emission source for any purpose.

"Stationary emission source" and "Stationary source" mean an emission source which is not self-propelled.

"Storage tank or storage vessel" means any stationary tank, reservoir or container used for the storage of VOL.

"Styrene devolatilizer unit" means equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

"Styrene recovery unit" means equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

"Submerged loading pipe" means any discharge pipe or nozzle which meets either of the following conditions:

Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is 15 cm (6 in) above the bottom of the tank.

Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is 46 cm (18 in) above the bottom of the tank.

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"Substrate" means the surface onto which a coating is applied or into which a coating is impregnated.

"Surface condenser" means a device which removes a substance from a gas stream by reducing the temperature of the stream, without direct contact between the coolant and the stream.

"Synthetic organic chemical or polymer manufacturing plant" means a plant that produces, as intermediates or final products, one or more of the chemicals or polymers listed in 35 Ill. Adm. Code 218 Appendix A.

"Tablet coating operation" means a pharmaceutical coating operation in which tablets are coated.

"Thirty-day rolling average" means any value arithmetically averaged over any consecutive thirty days.

"Three-piece can" means a can which is made from a rectangular sheet and two circular ends.

"Topcoat" means a coating applied in a multiple coat operation other than prime coat, final repair coat, or prime surfacer coat.

"Topcoat operation" means all topcoat spray booths, flash-off areas, and bake ovens at a facility which are used to apply, dry, or cure the final coatings (except final off-line repair) on components of automobile or light-duty truck bodies.

"Transfer efficiency" means the ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used.

"Tread end cementing" means the application of a solvent-based cement to the tire tread ends.

"True vapor pressure" means the equilibrium partial pressure exerted by a volatile organic liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517,

"Evaporation Loss From Floating Roof Tanks," second edition, February 1980 (incorporated by reference in

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Section 218.112).

"Turnaround" means the procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work, and putting the unit back into production.

"Two-piece can" means a can which is drawn from a shallow cup and requires only one end to be attached.

"Undercoaters" means any coatings formulated for and applied to substrates to provide a smooth surface for subsequent coats.

"Undertread cementing" means the application of a solvent-based cement to the underside of a tire tread.

"Unregulated safety relief valve" means a safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

"Vacuum producing system" means any reciprocating, rotary, or centrifugal blower or compressor or any jet ejector or device that creates suction from a pressure below atmospheric and discharges against a greater pressure.

"Valves not externally regulated" means valves that have no external controls, such as in-line check valves.

"Vapor balance system" means any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

"Vapor collection system" means all piping, seals, hoses, connections, pressure-vacuum vents, and other possible sources between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks and vapor holder.

"Vapor control system" means any system that limits or prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer

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of gasoline.

"Vapor-mounted primary seal" means a primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

"Vapor recovery system" means a vapor gathering system capable of collecting all VOM vapors and gases discharged from the storage tank and a vapor disposal system capable of processing such VOM vapors and gases so as to prevent their emission to the atmosphere.

"Vehicle" means a device by which any person or property may be propelled, moved, or drawn upon a highway, excepting a device moved exclusively by human power or used exclusively upon stationary rails or tracks.

"Vinyl coating" means any topcoat or printing ink applied to vinyl coated fabric or vinyl sheets. Vinyl coating does not include plastisols.

"Vinyl coating facility" means a facility that includes one or more vinyl coating line(s).

"Vinyl coating line" means a coating line in which any protective, decorative or functional coating is applied onto vinyl coated fabric or vinyl sheets.

"Volatile organic liquid (VOL)" means any substance which is liquid at storage conditions and which contains volatile organic compounds.

"Volatile organic material (VOM) or volatile organic compound (VOC)" means any organic compound which participates in atmospheric photochemical reactions. This includes any organic compound other than the following compounds: methane, ethane, methyl chloroform (1,1,1-trichloroethane), CFC-113 (trichlorotrifluoroethane), methylene chloride (dichloromethane), CFC-11 (trichlorofluoromethane), CFC-12 (dichlorodifluoromethane), CFC-22 (chlorodifluoromethane), FC-23 (trifluoromethane), CFC-114 (dichlorotetrafluoroethane), CFC-115 (chloropentafluoroethane), HCFC-123

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(dichlorotrifluoroethane), HFC-134a (tetrafluoroethane), HCFC-141b (dichlorofluoroethane) and HCFC-142b (chlorodifluoroethane). These compounds have been determined to have negligible photochemical reactivity.

In addition, for the 3M Bedford Park facility in Cook County, the following compounds shall not be considered as volatile organic material or volatile organic compounds (and are, therefore, to be treated as water for the purpose of calculating the "less water" part of the coating or ink composition) for a period of time not to exceed one year after the date USEPA acts on 3M's petition, pending as of the date of promulgation of this rule, which seeks to have these compounds classified as exempt compounds: (1) cyclic, branched, or linear, completely fluorinated alkanes, (2) cyclic, branched, or linear, completely fluorinated ethers with no unsaturations, (3) cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations, and (4) sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

For purposes of determining compliance with emission limits, VOC will be measured by the approved test methods. Where such a method also inadvertently measures compounds with negligible photochemical reactivity, an owner or operator may exclude these negligibly reactive compounds when determining compliance with an emissions standard.

"Volatile petroleum liquid" means any petroleum liquid with a true vapor pressure that is greater than 1.5 psia (78 millimeters of mercury) at standard conditions.

"Wash coat" means a coating containing binders which seals wood surfaces, prevents undesired staining, and controls penetration.

"Wastewater (oil/water) separator" means any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals from water, or any device, such as a flocculation tank or a clarifier, which removes

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petroleum derived compounds from wastewater.

"Web" means a substrate which is printed in continuous roll-fed presses.

"Wood furniture" means room furnishings including cabinets (kitchen, bath, and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition, or fabricated wood materials.

"Wood furniture coating facility" means a facility that includes one or more wood furniture coating line(s).

"Wood furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto wood furniture.

"Woodworking" means the shaping, sawing, grinding, smoothing, polishing, and making into products of any form or shape of wood.

Section 218.105 Test Methods and Procedures

a) Coatings, Inks and Fountain Solutions

The following test methods and procedures shall be used to determine compliance of applied coatings, inks, and fountain solutions with the limitations set forth in this Part.

- 1) Sampling: Samples collected for analyses shall be one-liter taken into a one-liter container at a location and time such that the sample will be representative of the coating as applied (i.e., the sample shall include any dilution solvent or other VOM added during the manufacturing process). The container must be tightly sealed immediately after the sample is taken. Any solvent or other VOM added after the sample is taken must be measured and accounted for in the calculations in subsection (a)(3). For multiple package coatings, separate samples of each component shall be obtained. A mixed sample shall not be obtained as it will cure in the container. Sampling procedures shall follow the guidelines presented

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in:

- A) ASTM D3925-81 (1985) standard practice for sampling liquid paints and related pigment coating. This practice is incorporated by reference in Section 218.112.
- B) ASTM E300-86 standard practice for sampling industrial chemicals. This practice is incorporated by reference in Section 218.112.

- 2) Analyses: The applicable analytical methods specified below shall be used to determine the composition of coatings, inks, or fountain solutions as applied.

- A) Method 24 of 40 CFR 60, Appendix A, incorporated by reference in Section 218.112, shall be used to determine the VOM content and density of coatings. If it is demonstrated to the satisfaction of the Agency and the USEPA that plant coating formulation data are equivalent to Method 24 results, formulation data may be used. In the event of any inconsistency between a Method 24 test and a facility's formulation data, the Method 24 test will govern.

- B) Method 24A of 40 CFR Part 60, Appendix A, incorporated by reference in Section 218.112, shall be used to determine the VOM content and density of rotogravure printing inks and related coatings. If it is demonstrated to the satisfaction of the Agency and USEPA that the plant coating formulation data are equivalent to Method 24A results, formulation data may be used. In the event of any inconsistency between a Method 24A test and a facility's formulation data, the Method 24A test will govern.

- C) The following ASTM methods are the analytical procedures for determining VOM:

- i) ASTM D1475-85: Standard test method for density of paint, varnish, lacquer and

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related products. This test method is incorporated by reference in Section 218.112.

ii) ASTM D2369-87: Standard test method for volatile content of a coating. This test method is incorporated by reference in Section 218.112.

iii) ASTM D3792-86: Standard test method for water content of water-reducible paints by direct injection into a gas chromatograph. This test method is incorporated by reference in Section 218.112.

iv) ASTM D4017-81 (1987): Standard test method for water content in paints and paint materials by the Karl Fischer method. This test method is incorporated by reference in Section 218.112.

v) ASTM D4457-85: Standard test method for determination of dichloromethane and 1,1,1, trichloroethane in paints and coatings by direct injection into a gas chromatograph. (The procedure delineated above can be used to develop protocols for any compounds specifically exempted from the definition of VOM.) This test method is incorporated by reference in Section 218.112.

vi) ASTM D2697-86: Standard test method for volume non-volatile matter in clear or pigmented coatings. This test method is incorporated by reference in Section 218.112.

vii) ASTM D3980-87: Standard practice for interlaboratory testing of paint and related materials. This practice is incorporated by reference in Section 218.112.

viii) ASTM E180-85: Standard practice for

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determining the precision data of ASTM methods for analysis of and testing of industrial chemicals. This practice is incorporated by reference in Section 218.112.

ix) ASTM D2372-85: Standard method of separation of vehicle from solvent-reducible paints. This method is incorporated by reference in Section 218.112.

D) Use of an adaptation to any of the analytical methods specified in subsections (a)(2)(A), (B), and (C) may not be used unless approved by the Agency and USEPA. An owner or operator must submit sufficient documentation for the Agency and USEPA to find that the analytical methods specified in subsections (a)(2)(A), (B), and (C) will yield inaccurate results and that the proposed adaptation is appropriate.

3) Calculations: Calculations for determining the VOM content, water content and the content of any compounds which are specifically exempted from the definition of VOM of coatings, inks and fountain solutions as applied shall follow the guidance provided in the following documents.

A) "A Guide for Surface Coating Calculation", EPA-340/1-86-016, incorporated by reference in Section 218.112.

B) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coatings" (revised June 1986), EPA-450/3-84-019, incorporated by reference in Section 218.112.

C) "A Guide for Graphic Arts Calculations", August 1988, EPA-340/1-88-003, incorporated by reference in Section 218.112

b) Automobile or Light-Duty Truck Test Protocol

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The protocol for testing, including determining the transfer efficiency, of coating applicators at topcoat coating operations at an automobile assembly facility shall follow the procedure in: "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, EPA-450/3-88-018, incorporated by reference in Section 218.112.

c) Capture System Efficiency Test Protocols

1) Applicability

The requirements of subsection (c)(2) shall apply to all VOM emitting processes employing capture equipment (e.g., hoods, ducts), except those cases noted below.

A) If a source installs a permanent total enclosure (PTE) that meets Agency and USEPA specifications, and which directs all VOM to a control device, then the source is exempted from the requirements described in subsection (c)(2). The Agency and USEPA specifications to determine whether a structure is considered a PTE are given in Procedure T of Appendix B of this Part. In this instance, the capture efficiency is assumed to be 100 percent and the source is still required to measure control efficiency using appropriate test methods as specified in subsection (d).

B) If a source uses a control device designed to collect and recover VOM (e.g., carbon adsorber), an explicit measurement of capture efficiency is not necessary provided that the conditions given below are met. The overall control of the system can be determined by directly comparing the input liquid VOM to the recovered liquid VOM. The general procedure for use in this situation is given in 40 CFR 60.433, incorporated by reference in Section 218.112, with the following additional restrictions:

i) The source must be able to equate

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solvent usage with solvent recovery on a 24-hour (daily) basis, rather than a 30-day weighted average, within 72 hours following the 24-hour period. In addition, one of the following two criteria must be met:

- ii) The solvent recovery system (i.e., capture and control system) must be dedicated to a single process line (e.g., one process line venting to a carbon adsorber system), or
- iii) If the solvent recovery system controls multiple process lines, then the source must be able to demonstrate that the overall control (i.e., the total recovered solvent VOM divided by the sum of liquid VOM input to all process lines venting to the control system) meets or exceeds the most stringent standard applicable for any process line venting to the control system.

2) Specific Requirements

The capture efficiency of a process line shall be measured using one of the four protocols given below. Any error margin associated with a test protocol may not be incorporated into the results of a capture efficiency test. If these techniques are not suitable for a particular process, then the source may use an alternative capture efficiency protocol, provided that the alternative protocol is approved by the Agency and approved by the USEPA as a SIP revision.

A) Gas/gas method using temporary total enclosure (TTE). The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = Gw/(Gw + Fw)$$

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where: CE = capture efficiency, decimal fraction

Gw = mass of VOM captured and delivered to control device using a TTE

Fw = mass of fugitive VOM that escapes from a TTE

Procedure G.2 contained in Appendix B of this Part is used to obtain Gw. Procedure F.1 in Appendix B of this Part is used to obtain Fw.

- B) Liquid/gas method using TTE. The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_w)/L$$

where: CE = capture efficiency, decimal fraction

L = mass of liquid VOM input to process

Fw = mass of fugitive VOM that escapes from a TTE

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.1 in Appendix B of this Part is used to obtain Fw.

- C) Gas/gas method using the building or room (building or room enclosure) in which the affected source is located as the enclosure and in which "F" and "G" are measured while operating only the affected facility. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

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$$CE = G/(G + F_g)$$

where: CE = capture efficiency, decimal fraction

G = mass of VOM captured and delivered to control device

F_g = mass of fugitive VOM that escapes from building enclosure

Procedure G.2 contained in Appendix B of this Part is used to obtain G. Procedure F.2 in Appendix B of this Part is used to obtain F_g.

- D) Liquid/gas method using the building or room (building or room enclosure) in which the affected source is located as the enclosure and in which "F" and "L" are measured while operating only the affected facility. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_g)/L$$

where: CE = capture efficiency, decimal fraction

L = mass of liquid VOM input to process

F_g = mass of fugitive VOM that escapes from building enclosure

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.2 in Appendix B of this Part is used to obtain F_g.

- 3) Recordkeeping and Reporting

- A) All affected facilities must maintain a copy of the capture efficiency protocol submitted to the Agency and the USEPA on file. All results of the appropriate test methods and

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capture efficiency protocols must be reported to the Agency within sixty (60) days of the test date. A copy of the results must be kept on file with the source for a period of three (3) years.

B) If any changes are made to capture or control equipment, then the source is required to notify the Agency and the USEPA of these changes and a new test may be required by the Agency or the USEPA.

C) The source must notify the Agency 30 days prior to performing any capture efficiency or control test. At that time, the source must notify the Agency which capture efficiency protocol and control device test methods will be used.

D) Sources utilizing a PTE must demonstrate that this enclosure meets the requirement given in Procedure T (in Appendix B of this Part) for a PTE during any testing of their control device.

E) Sources utilizing a TTE must demonstrate that their TTE meets the requirements given in Procedure T (in Appendix B of this Part) for a TTE during testing of their control device. The source must also provide documentation that the quality assurance criteria for a TTE have been achieved.

d) Control Device Efficiency Testing and Monitoring

1) The control device efficiency shall be determined by simultaneously measuring the inlet and outlet gas phase VOM concentrations and gas volumetric flow rates in accordance with the gas phase test methods specified in subsection (f).

2) Any owner or operator that uses an afterburner or carbon adsorber to comply with any Section of this Part shall use USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to

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vendor specifications at all times the afterburner or carbon adsorber is in use. The continuous monitoring equipment must monitor the following parameters:

A) Combustion chamber temperature of each afterburner.

B) Temperature rise across each catalytic afterburner bed or VOM concentration of exhaust.

C) The VOM concentration of each carbon adsorption bed exhaust.

e) Overall Efficiency

1) The overall efficiency of the emission control system shall be determined as the product of the capture system efficiency and the control device efficiency or by the liquid/liquid test protocol as specified in 40 CFR 60.433, incorporated by reference in Section 218.112 (and revised by subsection (c)(1)(B) for each solvent recovery system. In those cases in which the overall efficiency is being determined for an entire line, the capture efficiency used to calculate the product of the capture and control efficiency is the total capture efficiency over the entire line.

2) For coating lines which are both chosen by the owner or operator to comply with Section 218.207(a), (d), (e), (f), or (g) by the alternative in Section 218.207(b)(2) and meet the criteria allowing them to comply with Section 218.207 instead of Section 218.204, the overall efficiency of the capture system and control device, as determined by the test methods and procedures specified in subsections (c), (d) and (e)(1), shall be no less than the equivalent overall efficiency which shall be calculated by the following equation:

$$E = ([VOM_g - VOM_l]/VOM_g) \times 100$$

where:

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E = Equivalent overall efficiency of the capture system and control device as a percentage

VOM_o = Actual VOM content of a coating, or the daily-weighted average VOM content of two or more coatings (if more than one coating is used), as applied to the subject coating line as determined by the applicable test methods and procedures specified in subsection (a) in units of kg VOM/l (lb VOM/gal) of coating solids as applied

VOM_i = The VOM emission limit specified in Section 218.207(a) or (b) in units of kg VOM/l (lb VOM/gal) of coating solids as applied

f) Volatile Organic Material Gas Phase Source Test Methods

The methods in 40 CFR Part 60, Appendix A, incorporated by reference in Section 218.112 delineated below shall be used to determine control device efficiencies.

- 1) 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, incorporated by reference in Section 218.112 as appropriate to the conditions at the site, shall be used to determine VOM concentration. Method selection shall be based on consideration of the diversity of organic species present and their total concentration and on consideration of the potential presence of interfering gases. Except as indicated in subsections (f)(1)(A) and (B) below, the test shall consist of three separate runs, each lasting a minimum of 60 min, unless the Agency and the USEPA determine that process variables dictate shorter sampling times.

A) When the method is to be used to determine the efficiency of a carbon adsorption system with a common exhaust stack for all the individual adsorber vessels, the test shall consist of three separate runs, each coinciding with one or more complete

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sequences through the adsorption cycles of all the individual adsorber vessels.

- B) When the method is to be used to determine the efficiency of a carbon adsorption system with individual exhaust stacks for each adsorber vessel, each adsorber vessel shall be tested individually. The test for each adsorber vessel shall consist of three separate runs. Each run shall coincide with one or more complete adsorption cycles.

- 2) 40 CFR Part 60, Appendix A, Method 1 or 1A, incorporated by reference in Section 218.112, shall be used for sample and velocity traverses.

- 3) 40 CFR Part 60, Appendix A, Method 2, 2A, 2C or 2D, incorporated by reference in Section 218.112, shall be used for velocity and volumetric flow rates.

- 4) 40 CFR Part 60, Appendix A, Method 3, incorporated by reference in Section 218.112, shall be used for gas analysis.

- 5) 40 CFR Part 60, Appendix A, Method 4, incorporated by reference in Section 218.112, shall be used for stack gas moisture.

- 6) 40 CFR Part 60, Appendix A, Methods 2, 2A, 2C, 2D, 3 and 4, incorporated by reference in Section 218.112, shall be performed, as applicable, at least twice during each test run.

- 7) Use of an adaptation to any of the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) may not be used unless approved by the Agency and the USEPA. An owner or operator must submit sufficient documentation for the Agency and the USEPA to find that the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) will yield inaccurate results and that the proposed adaptation is appropriate.

- 9) Leak Detection Methods for Volatile Organic Material

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Owners or operators required by this Part to carry out a leak detection monitoring program shall comply with the following requirements:

- 1) Leak Detection Monitoring
 - A) Monitoring shall comply with 40 CFR 60, Appendix A, Method 21, incorporated by reference in Section 218.112.
 - B) The detection instrument shall meet the performance criteria of Method 21.
 - C) The instrument shall be calibrated before use on each day of its use by the methods specified in Method 21.
 - D) Calibration gases shall be:
 - i) Zero air (less than 10 ppm of hydrocarbon in air); and
 - ii) A mixture of methane or n-hexane and air at a concentration of approximately, but no less than, 10,000 ppm methane or n-hexane.
 - E) The instrument probe shall be traversed around all potential leak interfaces as close to the interface as possible as described in Method 21.
- 2) When equipment is tested for compliance with no detectable emissions as required, the test shall comply with the following requirements:
 - A) The requirements of subsections (g)(1)(A) through (g)(1)(E) above shall apply.
 - B) The background level shall be determined as set forth in Method 21.
- 3) Leak detection tests shall be performed consistent with:
 - A) "APTI Course SI 417 controlling Volatile

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- Organic Compound Emissions from Leaking Process Equipment", EPA-450/2-82-015, incorporated by reference in Section 218.112.
- B) "Portable Instrument User's Manual for Monitoring VOC Sources", EPA-340/1-86-015, incorporated by reference in Section 218.112.
 - C) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", EPA-450/3-88-010, incorporated by reference in Section 218.112.
 - D) "Petroleum Refinery Enforcement Manual", EPA-340/1-80-008, incorporated by reference in Section 218.122.
- h) Bulk Gasoline Delivery System Test Protocol
- 1) The method for determining the emissions of gasoline from a vapor recovery system are delineated in 40 CFR 60, Subpart XX, Section 60.503, incorporated by reference in Section 218.112.
 - 2) Other tests shall be performed consistent with:
 - A) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", EPA-340/1-80-012, incorporated by reference in Section 218.112.
 - B) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", EPA-450/2-77-026, incorporated by reference in Section 218.112.
 - i) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission source which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specific in this Part. Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

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Section 218.106 Compliance Dates

Compliance with the requirements of this Part is required by July 1, 1991 or September 1, 1991, consistent with the appropriate provisions of Section 218.103.

Section 218.107 Afterburners

The operation of any natural gas fired afterburner and capture system used to comply with this Part is not required during the period of November 1 of any year to April 1 of the following year provided that the operation of such devices is not required for purposes of occupational safety or health, or for the control of toxic substances, odor nuisances, or other regulated pollutants.

Section 218.108 Exemptions, Variations, and Alternative Means of Control or Compliance Determinations

Notwithstanding the provisions of any other Sections of this Part, any exemptions, variations or alternatives to the control requirements, emission limitations, or test methods set forth in this Part shall be effective only when approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.109 Vapor Pressure of Volatile Organic Liquids

- a) If the VOL consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOL is a mixture, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or by the following equation:

$$n$$

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$$P_{vol} = \sum_{i=1}^n P_i X_i$$

where:

P_{vol} = Total vapor pressure of the mixture

n = Number of components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of a component determined in accordance with Subpart A of this Part

X_i = Mole fraction of the component in the total mixture

Section 218.110 Vapor Pressure of Organic Material or Solvent

- a) If the organic material or solvent consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the organic material or solvent is in a mixture made up of both organic material compounds and compounds which are not organic material, the vapor pressure shall be determined by the following equation:

$$P_{om} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

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where:

P_o^m = Total vapor pressure of the portion of the mixture which is composed of organic material

n = Number of organic material components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of an organic material component determined in accordance with Subpart A of this Part

X_i = Mole fraction of the organic material component of the total mixture

- c) If the organic material or solvent is in a mixture made up of only organic material compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or by the above equation.

Section 218.111 Vapor Pressure of Volatile Organic Material

- a) If the VOM consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOM is in a mixture made up of both VOM compounds and compounds which are not VOM, the vapor pressure shall be determined by the following equation:

$$\sum P_i X_i$$

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$$P_{vom} = \sum_{i=1} P_i$$

$$\sum_{i=1} X_i$$

where:

P_{vom} = Total vapor pressure of the portion of the mixture which is composed of VOM

n = Number of VOM components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of a VOM component determined in accordance with Subpart A of this Part

X_i = Mole fraction of the VOM component of the total mixture

- c) If the VOM is in a mixture made up of only VOM compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 218.112) or by the above equation.

Section 218.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent editions or amendments.

- a) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:

- 1) ASTM D2879-86
- 2) ASTM D323-82
- 3) ASTM D86-82
- 4) ASTM D-369-69 (1971)
- 5) ASTM D-396-69
- 6) ASTM D2880-71
- 7) ASTM D-975-68
- 8) ASTM D3925-81 (1985)
- 9) ASTM E300-86
- 10) ASTM D1475-85

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- 11) ASTM D2369-87
- 12) ASTM D3792-86
- 13) ASTM D4017-81 (1987)
- 14) ASTM D4457-85
- 15) ASTM D2697-86
- 16) ASTM D3980-87
- 17) ASTM E180-85
- 18) ASTM D2372-85
- 19) ASTM D97-66
- 20) ASTM E-168
- 21) ASTM E-169
- 22) ASTM E-260
- 23) ASTM D2504-83
- 24) ASTM D2382-83

b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.

c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February, 1980.

d) 40 CFR 60 (July 1, 1990).

e) 40 CFR 61 (July 1, 1990).

f) 40 CFR 50 (July 1, 1989).

g) 40 CFR 51 (July 1, 1989).

h) 40 CFR 52 (July 1, 1989).

i) United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.

j) United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.

k) United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.

l) United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.

m) United States Environmental Protection Agency,

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Washington, D.C., EPA-450/2-78-029.

n) United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.

o) United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section 218.121 Storage Containers

No person shall cause or allow the storage of any VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

a) Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or,

b) Is designed and equipped with one of the following vapor loss control devices:

1) A floating roof which rests on the surface of the VOL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOL has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3 K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

2) A vapor recovery system consisting of:

A) A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and,

B) A vapor disposal system capable of processing

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such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.

- 3) Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108.

Section 218.122 Loading Operations

- a) No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility having through-put of greater than 151 cubic meters per day (40,000 gal/day) into any railroad tank car, tank truck or trailer unless such loading facility is equipped with submerged loading pipes, submerged fill or a device that is equally effective in controlling emissions and is approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108.

- b) No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108, or unless such tank is a pressure tank as described in Section 218.121(a) or is fitted with a recovery system as described in Section 218.121(b)(2).

- c) Exception: If no odor nuisance exists the limitations of this Section shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).

Section 218.123

Petroleum Liquid Storage Tanks

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- a) The requirements of subsection (b) shall not apply to any stationary storage tank:

- 1) Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 218.121(b), except Section 218.121(b)(1);
- 2) With a capacity of less than 151.42 cubic meters (40,000 gal);
- 3) With a capacity of less than 1,600 cubic meters (422,400 gal) and used to store produced crude oil and condensate prior to custody transfer;
- 4) With a capacity of less than 1,430 cubic meters (378,000 gal) and used to store produced oil or condensate in crude oil gathering;
- 5) Subject to new source performance standards for storage vessels of petroleum liquid, 35 Ill. Adm. Code 230;
- 6) In which volatile petroleum liquid is not stored; or
- 7) Which is a pressure tank as described in Section 218.121(a).

- b) Subject to subsection (a) no owner or operator of a stationary storage tank shall cause or allow the storage of any volatile petroleum liquid in the tank unless:

- 1) The tank is equipped with one of the vapor loss control devices specified in Section 218.121(b);
- 2) There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
- 3) All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

- A) The cover, lid or seal is in the closed position at all times except when petroleum

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of VOM per 1 (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average VOM content from the entire topcoat operation (all topcoat spray booths, flash-off areas and bake ovens). Compliance shall be demonstrated in accordance with the topcoat protocol for automobiles and light-duty trucks referenced in Section 218.105(b). Section 218.205 does not apply to the topcoat limitation.) At least 180 days prior to the initial compliance date, the owner or operator of a coating line subject to the topcoat limitation shall have submitted to the USEPA a detailed proposal specifying the method of demonstrating compliance with the protocol. The proposal shall have included, at a minimum, a comprehensive plan (including a rationale) for determining the transfer efficiency at each booth through the use of in-plant or pilot testing; the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings; and the method for determining the analytic VOM content of as applied coatings and the formulation solvent content of applied coatings. Upon approval of the protocol by the USEPA, the source may proceed with the compliance demonstration.

4)	Final repair coat	kg/l	0.58	lb/gal	(4.8)
b)	Can Coating	kg/l		lb/gal	
1)	Sheet basecoat and overvornish	0.34		(2.8)	
2)	Exterior basecoat and overvornish	0.34		(2.8)	
3)	Interior body spray coat	0.51		(4.2)	
4)	Exterior end coat	0.51		(4.2)	
5)	Side seam spray coat	0.66		(5.5)	
6)	End sealing compound coat	0.44		(3.7)	

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c)	Paper Coating	kg/l	0.35	lb/gal	(2.9)
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(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Sections 218.401 through 218.404.)

d)	Coil Coating	kg/l	0.31	lb/gal	(2.6)
e)	Fabric Coating	0.35		(2.9)	
f)	Vinyl Coating	0.45		(3.8)	
g)	Metal Furniture Coating	0.36		(3.0)	
h)	Large Appliance Coating	0.34		(2.8)	

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

i)	Magnet Wire Coating	kg/l	0.20	lb/gal	(1.7)
j)	Miscellaneous Metal Parts and Products Coating				
1)	Clear coating	0.52		(4.3)	
2)	Air-dried coating	0.42		(3.5)	
3)	Extreme performance coating	0.42		(3.5)	
4)	All other coatings	0.36		(3.0)	

kg/l lb/gal

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k) Heavy Off-Highway Vehicle Products Coating

- | | | |
|---|------|-------|
| 1) Extreme performance prime coat | 0.42 | (3.5) |
| 2) Extreme performance top-coat (air dried) | 0.42 | (3.5) |
| 3) Final repair coat (air dried) | 0.42 | (3.5) |

4) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.

kg/l	lb/gal
------	--------

1) Wood Furniture Coating

- | | | |
|---------------------------|------|-------|
| 1) Clear topcoat | 0.67 | (5.6) |
| 2) Opaque stain | 0.56 | (4.7) |
| 3) Pigmented coat | 0.60 | (5.0) |
| 4) Repair coat | 0.67 | (5.6) |
| 5) Sealer | 0.67 | (5.6) |
| 6) Semi-transparent stain | 0.79 | (6.6) |
| 7) Wash coat | 0.73 | (6.1) |

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell- or disc- spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, or dip coating application

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system.)

m) Existing Diesel-Electric Locomotive Coating Lines in Cook County

- | | | |
|---|------|--------|
| | kg/l | lb/gal |
| 1) Extreme performance prime coat | 0.42 | (3.5) |
| 2) Extreme performance top-coat (air dried) | 0.42 | (3.5) |
| 3) Final repair coat (air dried) | 0.42 | (3.5) |
| 4) High-temperature aluminum coating | 0.72 | (6.0) |
| 5) All other coatings | 0.36 | (3.0) |

Section 218.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 218.204 and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e) or (f) (depending upon the source category) through the applicable coating analysis test methods and procedures specified in Section 218.105(a) and the recordkeeping and reporting requirements specified in Section 218.211(d):

- a) No owner or operator of a coating line subject to only one of the limitations from among Section 218.204(a)(1), (a)(2), (a)(4), (c), (d), (e), (f), (g), (h), or (i) shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.
- b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 218.204(j) shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection

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- B) A device which shuts off the spray pump if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
- C) A device which shuts off the sump heat source when the vapor level exceeds the design level.
- 3) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser;
- 4) The degreaser is equipped with one of the following devices:
- A) A freeboard height of $\frac{3}{4}$ of the inside width of the degreaser tank or 91 cm (36 in), whichever is less; and if the degreaser opening is greater than 1 square meter (10.8 square feet), a powered or mechanically assisted cover; or
- B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 218.108. Such equipment or system may include a refrigerated chiller, an enclosed design or a carbon adsorption system.

Section 218.184 ConveyORIZED Degreasing

- a) Operating Requirements: No person shall operate a conveyORIZED degreaser unless:
- 1) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of area of loading and unloading opening is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.);
- 2) Solvent carryout emissions are minimized by:
- A) Racking parts for best drainage; and
- B) Maintaining the vertical conveyor speed at less than 3.3 m/min (11 ft/min);

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- 3) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
- 4) Solvent leaks are repaired immediately;
- 5) Water is not visually detectable in solvent exiting from the water separator; and
- 6) Downtime covers are placed over entrances and exits of conveyORIZED degreasers immediately after the conveyors and exhausts are shut down and not removed until just before start-up.
- b) Equipment Requirements: No person shall operate a conveyORIZED degreaser unless:
- 1) The degreaser is equipped with a drying tunnel, rotating (tumbling) basket or other equipment sufficient to prevent cleaned parts from carrying out solvent liquid or vapor;
- 2) The degreaser is equipped with the following switches:
- A) A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level;
- B) A device which shuts off the spray pump or the conveyor if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
- C) A device which shuts off the sump heat source when the vapor level exceeds the design level;
- 3) The degreaser is equipped with openings for entrances and exits that silhouette workloads so that the average clearance between the parts and the edge of the degreaser opening is less than 10 cm (4 in) or less than 10 percent of the width of

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the opening;

- 4) The degreaser is equipped with downtime covers for closing off entrances and exits when the degreaser is shut down; and

- 5) The degreaser is equipped with one of the following control devices, if the air/vapor interface is larger than 2.0 square meters (21.6 square feet):

A) A carbon adsorption system with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area when downtime covers are open, and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle; or

B) Any other equipment or system of equivalent emission control as approved by the Agency, and further processed consistent with Section 218.108. Such equipment or system may include a refrigerated chiller.

Section 218.185

Compliance Schedule

Every owner or operator of an emission source which was previously exempt from the requirements of Subpart E of 35 Ill. Adm. Code 215 (Sections 215.182-215.184) because it satisfied the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b), shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106. A source which did not satisfy the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b) shall comply with the requirements of this Subpart upon adoption.

Section 218.186

Test Methods

The following test methods shall be used to demonstrate compliance with this Subpart:

- a) Vapor pressures shall be determined by using the procedure specified in Section 218.110.
- b) Exhaust ventilation rates shall be determined by using

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the procedures specified in Section 218.105(f)(3).

- c) The performance of control devices shall be determined by using the procedures specified in Section 218.105(f).

SUBPART F: COATING OPERATIONS

Section 218.204 Emission Limitations for Manufacturing Plants

Except as provided in Section 218.208, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition.

Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 218.105(a) and the recordkeeping and reporting requirements specified in Section 218.211(c). (Note: The equation presented in Section 218.206 shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

	Automobile or Light-Duty Truck Coating	kg/l	lb/gal
1) Prime coat	0.14		(1.2)
2) Prime surfacer coat	0.34		(2.8)

(Note: The prime surfacer coat limitation is based upon a transfer efficiency of 30 percent. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.)

- 3) Topcoat 1.81 (15.1)

(Note: The topcoat limitation is in units of kg (lbs)

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- a) A historical record of each such set (or, if such records were unavailable, of similar sets which, by virtue of operation under similar circumstances, may reasonably have been presumed to have the same or greater frequency of excessive releases) for a three-year period immediately preceding October 1, 1972, indicating:
- 1) Dates on which excessive releases occurred from each such set;
 - 2) Duration in minutes of each such excessive release;
 - 3) Quantities (in pounds) of mercaptans and/or hydrogen sulfide emitted into the atmosphere during each such excessive release.
- b) Proof, using such three-year historical records, that no excessive release is likely to occur from any such set either alone or in combination with such excessive releases from other sets owned or operated by the same person and located within a ten-mile radius from the center point of any such set, more frequently than 3 times in any 12 month period;
- c) Accurate maintenance records pursuant to the requirements of subsection (a);
- d) Proof, at three-year intervals, using such three-year historical records, that such set conforms to the requirements of subsection (c).

SUBPART E: SOLVENT CLEANING

Section 218.181

Solvent Cleaning in General

The requirements of this Subpart shall apply to all cold cleaning, open top vapor degreasing, and conveyorized degreasing operations.

Section 218.182

Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:

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- 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 2% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 2) The cover of the degreaser is closed when parts are not being handled; and
 - 3) Parts are drained until dripping ceases.
- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
- 1) The degreaser is equipped with a cover which is closed whenever parts are not being handled in the cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:
 - A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F);
 - B) The solvent is agitated; or
 - C) The solvent is heated above ambient room temperature.
 - 2) The degreaser is equipped with a facility for draining cleaned parts. The drainage facility shall be constructed so that parts are enclosed under the cover while draining unless:
 - A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F); or
 - B) An internal drainage facility cannot be fitted into the cleaning system, in which case the drainage facility may be external.
 - 3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F) or if the

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solvent is heated above 50°C (120°F) or its boiling point:

- A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or
- B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 218.108. Such a system may include a water cover, refrigerated chiller or carbon adsorber.

- 4) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser; and

- 5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.

Section 218.183 Open Top Vapor Degreasing

- a) Operating Requirements: No person shall operate an open top vapor degreaser unless:

- 1) The cover of the degreaser is closed when workloads are not being processed through the degreaser;

- 2) Solvent carryout emissions are minimized by:

- A) Racking parts to allow complete drainage;
- B) Moving parts in and out of the degreaser at less than 3.3 m/min (11 ft/min);
- C) Holding the parts in the vapor zone until condensation ceases;
- D) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone;
- E) Allowing parts to dry within the degreaser

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until visually dry.

- 3) Porous or absorbent materials, such as cloth, leather, wood or rope are not degreased;
- 4) Less than half of the degreaser's open top area is occupied with a workload;
- 5) The degreaser is not loaded to the point where the vapor level would drop more than 10 cm (4 in) when the workload is removed from the vapor zone;
- 6) Spraying is done below the vapor level only;
- 7) Solvent leaks are repaired immediately;
- 8) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
- 9) Water is not visually detectable in solvent exiting from the water separator; and
- 10) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreaser open area is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.).

- b) Equipment Requirements: No person shall operate an open top vapor degreaser unless:

- 1) The degreaser is equipped with a cover designed to open and close easily without disturbing the vapor zone;
- 2) The degreaser is equipped with the following switches:
 - A) A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level; and

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liquid is transferred to or from the tank;

- B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
- C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;

- 4) Routine inspections of floating roof seals are conducted through roof hatches once every six months;
- 5) A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect; and
- 6) A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) is maintained.

- c) Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in Appendix C to 35 Ill Adm. Code 215.

Section 218.124 External Floating Roofs

- a) In addition to meeting the requirements of Section 218.123(b), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
 - 1) The tank has been fitted with a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal) or any other device which controls VOM emissions with an effectiveness equal to or greater than a rim mounted secondary seal;

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- 2) Each seal closure device meets the following requirements:

- A) The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
- B) The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter).

- 3) Emergency roof drains are provided with slotted membrane fabric covers or equivalent covers across at least 90 percent of the area of the opening;
- 4) Openings are equipped with projections into the tank which remain below the liquid surface at all times;
- 5) Inspections are conducted prior to May 1 of each year to insure compliance with subsection (a);
- 6) The secondary seal gap is measured prior to May 1 of each year;
- 7) Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the Agency, upon verbal or written request, at any reasonable time for a minimum of two years after the date on which the record was made.

- b) Subsection (a) does not apply to any stationary storage tank equipped with an external floating roof:

- 1) Exempted under Section 218.123(a)(2) through 218.123(a)(6);
- 2) Of welded construction equipped with a metallic type shoe seal having a secondary seal from the top of the shoe seal to the tank wall

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(shoe-mounted secondary seal);

- 3) Of welded construction equipped with a metallic type shoe seal, a liquid-mounted foam seal, a liquid-mounted liquid-filled-type seal, or other closure device of equivalent control efficiency approved by the Agency in which a petroleum liquid with a true vapor pressure less than 27.6 kPa (4.0 psia) at 294.3°K (70° F) is stored; or
- 4) Used to store crude oil with a pour point of 50°F or higher as determined by ASTM Standard D97-66 incorporated by reference in Section 218.112.

Section 218.125 Compliance Dates

Every owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart B, as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.

Section 218.126 Compliance Plan

- a) The owner or operator of an emission source previously subject to Section 215.125 shall have submitted to the Agency a compliance plan as required by 35 Ill. Adm. Code 201.241, including a project completion schedule where applicable, no later than April 21, 1983.
- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to the rules specified in subsection (a) may operate the emission source according to the plan and schedule as submitted.
- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.241 including specific interim dates as required in 35 Ill. Adm. Code 201.242.

SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section 218.141 Separation Operations

- a) No person shall use any single or multiple compartment effluent water separator which receives effluent water containing 757 l/day (200 gal/day) or more of organic material from any equipment processing, refining,

treating, storing or handling organic material unless such effluent water separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. Exception: If no odor nuisance exists the limitations of this subsection shall not apply if the vapor pressure of the organic material is below 17.24 kPa (2.5 psia) at 294.3°K (70°F).

- b) Subsection (a) shall not apply to water and crude oil separation in the production of Illinois crude oil, if the vapor pressure of such crude oil is less than 34.5 kPa (5 psia).

Section 218.142 Pumps and Compressors

No person shall cause or allow the discharge of more than 32.8 ml (2 cu in) of VOL with vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F) into the atmosphere from any pump or compressor in any 15 minute period at standard conditions.

Section 218.143 Vapor Blowdown

No person shall cause or allow the emission of organic material into the atmosphere from any vapor blowdown system or any safety relief valve, except such safety relief valves not capable of causing an excessive release, unless such emission is controlled:

- a) To 10 ppm equivalent methane (molecular weight 16.0) or less; or,
- b) By combustion in a smokeless flare; or,
- c) By other air pollution control equipment approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108.

Section 218.144 Safety Relief Valves

Section 218.143 shall not apply to any set of unregulated safety relief valves capable of causing excessive releases, provided the owner or operator thereof, by October 1, 1972, supplied the Agency with the following:

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application of capture systems and control devices in units of kg/day (lbs/day)

B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

m = Number of coating lines at the facility

j = Subscript denoting an individual coating line

n = Number of different coatings as applied each day on each coating line at the facility

i = Subscript denoting an individual coating

3) On and after a date consistent with Section 218.106, the owner or operator of a facility exempted from the limitations of Section 218.204 because of Section 218.208(a) shall notify the Agency of any record showing that total VOM emissions from the coating facility exceed 6.8 kg (15 lbs) in any day before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

A_i = Weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the facility in units of kg VOM/l (lbs VOM/gal)

c) Any owner or operator of a coating line subject to the limitations of Section 218.204 and complying by means of Section 218.204 shall comply with the following:

B_i = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the facility in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency

1) By a date consistent with Section 218.106, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 218.205 or Section 218.207 to Section 218.204; the owner or operator of a subject coating line shall certify to the Agency that the coating line will be in compliance with Section 218.204 on and after a date consistent with Section 218.106, or on and after the initial start-up date. Such certification shall include:

A) The name and identification number of each coating as applied on each coating line.

2) On and after a date consistent with Section 218.106, the owner or operator of a facility referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

A) The name and identification number of each coating as applied on each coating line.

C) For coating lines subject to Section 218.204(a)(3), certification shall include:

i) The name and identification number of

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each coating line which will comply by means of Section 218.204(a)(3),

ii) The name and identification number of each coating as applied on each coating line,

iii) The weight of VOM per volume of each coating as applied on each coating line,

iv) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line,

v) The method by which the owner or operator will create and maintain records each day as required in subsection (c)(2) below for coating lines subject to Section 218.204(a)(3),

vi) An example format in which the records required in subsection (c)(2) below for coating lines subject to Section 218.204(a)(3).

2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a coating line subject to the limitations of Section 218.204 and complying by means of Section 218.204 shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

A) The name and identification number of each coating as applied on each coating line.

B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

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C) For coating lines subject to Section 218.204(a)(3), the owner or operator shall maintain all records necessary to calculate the daily-weighted average VOM content from the coating line in accordance with the proposal submitted, and approved by the USEPA, pursuant to Section 218.204(a)(3).

3) On and after a date consistent with Section 218.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

A) Any record showing violation of Section 218.204 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation, except that any record showing a violation of Section 218.204(a)(3) shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.

B) At least 30 calendar days before changing the method of compliance with Section 218.204 from Section 218.204 to Section 218.205 or Section 218.207, the owner or operator shall comply with all requirements of subsection (d)(1) or (e)(1) below, respectively. Upon changing the method of compliance with Section 218.204 from Section 218.204 to Section 218.205 or Section 218.207, the owner or operator shall comply with all requirements of subsection (d) or (e), respectively.

C) For coating lines subject to Section 218.204(a)(3), the owner or operator shall notify the Agency of any change to the topcoating operation at least 30 days before the change is effected. The Agency shall determine whether or not recertification testing is required. If the Agency determines that recertification testing is required, then the owner or operator shall submit a proposal to the Agency to test

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applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

F_1 = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device

- 2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

Section 218.208 Exemptions From Emission Limitations

- a) Exemptions for all source categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines within a facility, that otherwise would be subject to the same subsection of Section 218.204 (because they belong to the same source category, e.g. can coating), provided that combined actual emissions of VOM from all lines at the facility subject to that subsection never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices. (For example, can coating lines within a plant would not be subject to the limitations of Section 218.204(b) if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any owner or operator of a coating facility shall comply with the applicable coating analysis test methods and procedures specified in Section 218.105(a) and the recordkeeping and reporting requirements specified in Section 218.211(a) if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day (15 lbs/day) before

the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 218.204. Once a category of coating lines at a facility is subject to the limitations in Section 218.204, the coating lines are always subject to the limitations in Section 218.204.

b) Applicability for wood furniture coating

- 1) The limitations of this Subpart shall apply to a plant's wood furniture coating lines if the plant contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(l)), H (excluding Section 218.405), Q, R, S, V, X, Y, or Z of this Part, which as a group both:
 - A) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
 - B) are not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable construction permit or SIP revision.
- 2) If a plant ceases to fulfill the criteria of subsection (b)(1), the limitations of Section 218.204(l) shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 218.204(l).
- 3) For the purposes of subsection (b), an emission source shall be considered regulated by a Subpart if it is subject to the limitations of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- 4) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection

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(b) shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that document that the coating line is exempt from the limitations of this Subpart.

Section 218.209 Exemption From General Rule on Use of Organic Material

No owner or operator of a coating line subject to the limitations of Section 218.204 is required to meet the limitations of Subpart G (Section 218.301 or 218.302) of this Part, after the date by which the coating line is required to meet Section 218.204.

Section 218.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 218.204) shall comply with the requirements of Section 218.204, 218.207 or 218.208 and Section 218.211 in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a coating line which is exempt from the limitations of Section 218.204 because of the criteria in Section 218.208(a) shall operate said coating line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Section 218.211(b). Wood furniture coating lines are not subject to Section 218.211(b).
- b) No owner or operator of a coating line complying by means of Section 218.204 shall operate said coating line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Sections 218.204 and 218.211(c).
- c) No owner or operator of a coating line complying by means of Section 218.205 shall operate said coating line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Sections 218.205 and 218.211(d).

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- d) No owner or operator of a coating line complying by means of Section 218.207 shall operate said coating line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Sections 218.207 and 218.211(e).

Section 218.211 Recordkeeping and Reporting

- a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 218.105 to establish the records required under this Section.
- b) Any owner or operator of a coating line which is exempted from the limitations of Section 218.204 because of Section 218.208(a) shall comply with the following:
 - 1) By a date consistent with Section 218.106, the owner or operator of a facility referenced in this subsection shall certify to the Agency that the facility is exempt under the provisions of Section 218.208(a). Such certification shall include:
 - A) A declaration that the facility is exempt from the limitations of Section 218.204 because of Section 218.208(a); and
 - B) Calculations which demonstrate that the combined VOM emissions from all coating lines at the facility never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

$$T_e = \sum_{j=1}^n \sum_{i=1}^n (A_i B_i)_j$$

where:

T_e = Total VOM emissions from coating lines at a facility each day before the

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policy) must be satisfied.

Section 218.206 Solids Basis Calculation

Limitations in terms of kg (lbs) of VOM emissions per l (gal) of solids as applied at each coating applicator shall be determined by the following equation:

$$S = \frac{C}{1 - (C/D)}$$

where:

S = The limitation on VOM emissions in terms of kg VOM/l (lbs VOM/gal) of solids

C = The limitation on VOM emissions in terms of kg/l (lbs/gal) of coating (minus water and any compounds which are specifically excluded from the definition of VOM) specified in Section 218.204

D = The density of VOM in the coating. For the purposes of calculating S, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM)

Section 218.207

Alternative Emission Limitations

- a) Any owner or operator of a coating line subject to Section 218.204 may comply with this Section, rather than with Section 218.204, if a capture system and control device are operated at all times and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g) or (h) (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 218.105 and the recordkeeping and reporting requirements specified in Section 218.211(e); and the control device is equipped with the applicable monitoring equipment specified in Section 218.105(d) and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in

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use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g) or (h) may be used as an alternative to compliance with Section 218.204 only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

- 1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or
- 2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 218.204. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency is to be determined as follows:
 - A) obtain the emission limitation from the appropriate subsection in Section 218.204,
 - B) calculate "S" according to the equation in Section 218.206,
 - C) calculate the overall efficiency required according to Section 218.105(e). For the purposes of calculating this value, according to the equation in Section 218.105(e) (2), VOM₁ is equal to the value of "S" as determined above in subsection (b)(2)(B).

- c) No owner or operator of a coating line subject to only one of the emission limitations from among Section

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218.204(a)(1), (a)(2), (a)(4), (c), (d), (e), (f), (g), (h) or (i) and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met. No owner or operator of a coating line subject to Section 218.204(a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with the topcoat limitation in accordance with the topcoat protocol for automobile or light-duty trucks referenced in Section 218.105(b).

d) No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(j) (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(k) (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(m) (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) are met.

g) No owner or operator of a wood furniture coating line

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which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(l) (e.g., all coatings used on the line are subject to 0.67 kg/l [5.6 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) are met. If compliance is achieved by meeting the requirements in subsection (b)(2), then the provisions in the note to Section 218.204(l) must also be met.

h) No owner or operator of a can coating facility equipped with a capture system and control device shall operate the subject coating facility unless the requirements in subsection (h)(1) or (h)(2) below are met.

1) An alternative daily emission limitation shall be determined according to Section 218.205(c)(2). Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E_d = \sum_{i=1}^n V_i C_i (1-F_i)$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day)

i = Subscript denoting the specific coating applied

n = Total number of surface coatings as applied in the can coating operation

V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

C_i = The VOM content of each coating as

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(b)(1) or (b)(2) below are met.

- 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(j) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or
- 2) For each coating line which applies coatings from more than one of the four coating categories in Section 218.204(j) above, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

c) No owner or operator of a can coating facility subject to the limitations of Section 215.204(b) shall operate the subject coating facility using a coating with a VOM content in excess of the limitations specified in Section 215.204(b) unless all of the following requirements are met:

- 1) An alternative daily emission limitation shall be determined according to subsection (c)(2) below. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E_d = \sum_{i=1}^n V_i C_i$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day)

i = Subscript denoting a specific coating applied

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n = Total number of coatings applied in the can coating operation

V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

- 2) The alternative daily emission limitation (A_d) shall be determined on a daily basis as follows:

$$A_d = \sum_{i=1}^n V_i L_i \frac{(D_i - C_i)}{(D_i - L_i)}$$

where:

A_d = The VOM emissions allowed for the day in units of kg/day (lbs/day)

i = Subscript denoting a specific coating applied

n = Total number of surface coatings applied in the can coating operation

C_i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

D_i = The density of VOM in each coating applied. For the purposes of calculating A_d , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM)

V_i = Volume of each surface coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

L_i = The VOM emission limitation for each surface coating applied as specified in Section 218.204(b) in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 218.204(k) shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) below are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(k) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(k) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 218.204(l) shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or (e)(2), in addition to the requirements specified in the note to Section 218.204(l), are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(l) above, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(l) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County, subject to the limitations of Section 218.204(m) shall apply coatings to diesel-electric locomotives on the subject coating line unless the requirements of subsection (b)(1) or (b)(2) are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(m) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(m) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related

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within 30 days and retest within 30 days of the Agency's approval of the proposal.

- d) Any owner or operator of a coating line subject to the limitations of Section 218.204 and complying by means of Section 218.205 shall comply with the following:
- 1) By a date consistent with Section 218.106, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section 218.204 or Section 218.207 to Section 218.205; the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance with Section 218.205 on and after a date consistent with Section 218.106, or on and after the initial start-up date. Such certification shall include:
 - A) The name and identification number of each coating line which will comply by means of Section 218.205.
 - B) The name and identification number of each coating as applied on each coating line.
 - C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
 - E) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2).
 - F) An example of the format in which the records required in subsection (d)(2) will be kept.
 - 2) On and after a date consistent with Section 218.106, or on and after the initial start-up

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date, the owner or operator of a coating line subject to the limitations of Section 218.204 and complying by means of Section 218.205, shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
 - B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:
- A) Any record showing violation of Section 218.205 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
 - B) At least 30 calendar days before changing the method of compliance with this subpart from Section 218.205 to Section 218.204 or Section 218.207, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1), respectively. Upon changing the method of compliance with this subpart from Section 218.205 to Section 218.204 or Section 218.207, the owner or operator shall comply with all requirements of subsection (c) or (e), respectively.
- e) Any owner or operator of a coating line subject to the limitations of Section 218.207 and complying by means of Section 218.207(c), (d), (e), (f), (g) or (h) shall

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comply with the following:

- 1) By a date consistent with Section 218.106, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 218.204 or Section 218.205 to Section 218.207, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject coating line will be in compliance with Section 218.207 on and after a date consistent with Section 218.106, or on and after the initial start-up date.
- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a coating line subject to the limitations of Section 218.207 and complying by means of Section 218.207(c), (d), (e), (f), (g), or (h) shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:
 - A) The weight of VOM per volume of coating solids as applied each day on each coating line, if complying pursuant to Section 218.207(b)(2).
 - B) Control device monitoring data.
 - C) A log of operating time for the capture system, control device, monitoring equipment and the associated coating line.
 - D) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

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- A) Any record showing violation of Section 218.207 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 218.207 to Section 218.204 or Section 218.205, the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 218.207 to Section 218.204 or Section 218.205, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section, respectively.

SUBPART G: USE OF ORGANIC MATERIAL

Section 218.301 Use of Organic Material

No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of this Subpart shall apply only to photochemically reactive material.

Section 218.302 Alternative Standard

Emissions of organic material in excess of those permitted by Section 218.301 are allowable if such emissions are controlled by one of the following methods:

- a) Flame, thermal or catalytic incineration so as either to reduce such emissions to 10 ppm equivalent methane (molecular weight 16) or less, or to convert 85 percent of the hydrocarbons to carbon dioxide and water; or
- b) A vapor recovery system which adsorbs and/or condenses at least 85 percent of the total uncontrolled organic material that would otherwise be emitted to the atmosphere; or

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- c) Any other air pollution control equipment approved by the Agency and approved by the USEPA as a SIP revision capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere.

Section 218.303 Fuel Combustion Emission Sources

The provisions of Sections 218.301 and 218.302 shall not apply to fuel combustion emission sources.

Section 218.304 Operations with Compliance Program

The provisions of Sections 218.301 and 218.302 shall not apply to any owner, operator, user or manufacturer of paint, varnish, lacquer, coatings or printing ink whose compliance program and project completion schedule, as required by 35 Ill. Adm. Code 201, provided for the reduction of organic material used in such process to 20 percent or less of total volume by May 30, 1977.

SUBPART H: PRINTING AND PUBLISHING

Section 218.401 Flexographic and Rotogravure Printing

- a) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply at any time any coating or ink unless the VOM content does not exceed the limitation specified in either subsection (a)(1) or (a)(2) below. Compliance with this Section must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) and the recordkeeping and reporting requirements specified in Section 218.404(c). As an alternative to compliance with this subsection, a subject printing line may meet the requirements of subsection (b) or (c) below.

- 1) Forty percent VOM by volume of the coating and ink (minus water and any compounds which are specifically exempted from the definition of VOM), or
- 2) Twenty-five percent VOM by volume of the volatile content in the coating and ink.

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- b) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply coatings or inks on the subject printing line unless the weighted average, by volume, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(1) (as determined by subsection (b)(1)) or subsection (a)(2) (as determined by subsection (b)(2)). Compliance with this subsection must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 218.105(a) and the recordkeeping and reporting requirements specified in Section 218.404(d).

- 1) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(1).

$$\text{VOM}_i(A) = \frac{\sum_{i=1}^n C_i L_i (V_s i + V_{VO} M_i)}{\sum_{i=1}^n L_i (V_s i + V_{VO} M_i)}$$

where:

$\text{VOM}_i(A)$ = The weighted average VOM content in units of percent VOM by volume of all coatings and inks (minus water and any compounds which are specifically exempted from the definition of VOM) used each day

i = Subscript denoting a specific coating or ink as applied

n = The number of different coatings and/or inks as applied each day on a printing line

C_i = The VOM content in units of percent

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VOM by volume of each coating or ink as applied (minus water and any compounds which are specifically exempted from the definition of VOM)

L_i = The liquid volume of each coating or ink as applied in units of l (gal)

V_{si} = The volume fraction of solids in each coating or ink as applied

V_{OMi} = The volume fraction of VOM in each coating or ink as applied

- 2) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(2).

$$VOM_i(B) = \frac{\sum_{i=1}^n C_i L_i V_{OMi}}{\sum_{i=1}^n C_i L_i V_{Mi}}$$

where:

$VOM_i(B)$ = The weighted average VOM content in units of percent VOM by volume of the volatile content of all coatings and inks used each day

i = Subscript denoting a specific coating or ink as applied

n = The number of different coatings and/or inks as applied each day on each printing line

C_i = The VOM content in units of percent VOM by volume of the volatile matter in each coating or ink as

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applied

L_i = The liquid volume of each coating or ink as applied in units of l (gal)

V_{Mi} = The volume fraction of volatile matter in each coating or ink as applied

- c) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1), (c)(2), or (c)(3) and subsections (c)(4), (c)(5) and (c)(6) below.

1) A carbon adsorption system is used which reduces the captured VOM emissions by at least 90 percent by weight, or

2) An incineration system is used which reduces the captured VOM emissions by at least 90 percent by weight, or

3) An alternative VOM emission reduction system is used which is demonstrated to have at least a 90 percent control device efficiency, approved by the Agency and approved by USEPA as a SIP revision, and

4) The printing line is equipped with a capture system and control device that provides an overall reduction in VOM emissions of at least:

- A) 75 percent where a publication rotogravure printing line is employed, or
 B) 65 percent where a packaging rotogravure printing line is employed, or
 C) 60 percent where a flexographic printing line is employed, and
 4) The control device is equipped with the applicable

monitoring equipment specified in Section 218.105(d)(2) and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and

- 5) The capture system and control device are operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this subsection by using the applicable capture system and control device test methods and procedures specified in Section 218.105(c) through Section 218.105(f) and by complying with the recordkeeping and reporting requirements specified in Section 218.404(e).

Section 218.402 Applicability

- a) The limitations of Section 218.401 apply to all flexographic and rotogravure printing lines at a subject facility. All facilities with flexographic and/or rotogravure printing lines are subject facilities unless:
 - 1) Total maximum theoretical emissions of VOM from all flexographic and rotogravure printing line(s) at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices, or
 - 2) A federally enforceable construction permit or SIP revision for all flexographic and rotogravure printing line(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all flexographic and rotogravure printing line(s) to 90.7 Mg (100 tons) or less per calendar year before the application of capture systems and control devices.
- b) Upon achieving compliance with this Subpart, the emission source is not required to meet Subpart G (Sections 218.301 or 218.302). Emission sources exempt from this Subpart are subject to Subpart G (Sections 218.301 or 215.302). Rotogravure or flexographic equipment used for both roll printing and paper coating

is subject to this Subpart.

- c) Once subject to the limitations of Section 218.401, a flexographic or rotogravure printing line is always subject to the limitations of Section 218.401.
- d) Any owner or operator of any flexographic or rotogravure printing line that is exempt from the limitations of Section 218.401 because of the criteria in this Section is subject to the recordkeeping and reporting requirements specified in Section 218.404(b).

Section 218.403 Compliance Schedule

Every owner or operator of a flexographic and/or rotogravure printing line shall comply with the applicable requirements of Section 218.401 and Section 218.404 in accordance with the applicable compliance schedule specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a flexographic or rotogravure printing line which is exempt from the limitations of Section 218.401 because of the criteria in Section 218.402 shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Section 218.404(b).
- b) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(a) shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Section 218.401(a) and Section 218.404(c).
- c) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(b) shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, Section 218.401(b) and Section 218.404(d).
- d) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 218.401(c) shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or

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operator has complied with, and continues to comply with, Section 218.401(c) and Section 218.404(e).

Section 218.404 Recordkeeping and Reporting

a) The VOM content of each coating and ink and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 218.105 to establish the records required under this Section.

b) Any owner or operator of a printing line which is exempted from the limitations of Section 218.401 because of the criteria in Section 218.402 shall comply with the following:

1) By a date consistent with Section 218.106, the owner or operator of a facility to which this subsection is applicable shall certify to the Agency that the facility is exempt under the provisions of Section 218.402. Such certification shall include:

A) A declaration that the facility is exempt from the limitations of the criteria in Section 218.401 because of Section 218.402, and

B) Calculations which demonstrate that total maximum theoretical emissions of VOM from all flexographic and rotogravure printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices. Total maximum theoretical emissions of VOM for a flexographic or rotogravure printing facility is the sum of maximum theoretical emissions of VOM from each flexographic and rotogravure printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year before the application of capture systems and control devices for each flexographic and rotogravure printing line at the facility:

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$$E_p = A \times B$$

where:

E_p = Total maximum theoretical emissions of VOM from one flexographic or rotogravure printing line in units of kg/year (lbs/year)

A = Weight of VOM per volume of solids of the coating or ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of coating or ink solids

B = Total volume of solids for all coatings and inks that can potentially be applied each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each coating and ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency

2) On and after a date consistent with Section 218.106, the owner or operator of a facility referenced in this subsection shall collect and record all of the following information each year for each printing line and maintain the information at the facility for a period of three years:

A) The name and identification number of each coating and ink as applied on each printing line.

B) The VOM content and the volume of each coating and ink as applied each year on each printing line.

3) On and after a date consistent with Section 218.106, the owner or operator of a facility

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exempted from the limitations of Section 218.401 because of the criteria in Section 218.402 shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- c) Any owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(a) shall comply with the following:

1) By a date consistent with Section 218.106, or upon initial start-up of a new printing line, or upon changing the method of compliance from an existing subject printing line from Section 218.401(b) or Section 218.401(c) to Section 218.401(a), the owner or operator of a subject printing line shall certify to the Agency that the printing line will be in compliance with Section 218.401(a) on and after a date consistent with Section 218.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content of each coating and ink as applied each day on each printing line.
- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(a) shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:
 - A) The name and identification number of each coating and ink as applied on each printing line.

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- B) The VOM content of each coating and ink as applied each day on each printing line.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.401(a) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 from Section 218.401(a) to Section 218.401(b) or (c), the owner or operator shall comply with all requirements of subsection (b)(1) or (c)(1), respectively. Upon changing the method of compliance with Section 218.401 from Section 218.401(a) to Section 218.401(b) or (c), the owner or operator shall comply with all requirements of subsection (b) or (c), respectively.

- d) Any owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(b) shall comply with the following:

- 1) By a date consistent with Section 218.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing subject printing line from Section 218.401(a) or (c) to Section 218.401(b), the owner or operator of the subject printing line shall certify to the Agency that the printing line will be in compliance with Section 218.401(b) on and after a date consistent with Section 218.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each printing line which will comply by means of Section 218.401(b).

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- B) The name and identification number of each coating and ink available for use on each printing line.
 - C) The VOM content of each coating and ink as applied each day on each printing line.
 - D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating and ink as applied each day on each printing line.
 - E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2).
 - F) An example of the format in which the records required in subsection (b)(2) will be kept.
- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(b) shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:
- A) The name and identification number of each coating and ink as applied on each printing line.
 - B) The VOM content and the volume of each coating and ink as applied each day on each printing line.
 - C) The daily-weighted average VOM content of all coatings and inks as applied on each printing line.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

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- A) Any record showing violation of Section 218.401(b) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 from Section 218.401(b) to Section 218.401(a) or 218.401(c), the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1), respectively. Upon changing the method of compliance with Section 218.401 from Section 218.401(b) to Section 218.401(a) or (c), the owner or operator shall comply with all requirements of subsection (c) or (e), respectively.
- e) Any owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(c) shall comply with the following:
 - 1) By a date consistent with Section 218.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from Section 218.401(a) or (b) to Section 218.401(c), the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with Section 218.401(c) on and after a date consistent with Section 218.106, or on and after the initial start-up date.
 - 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 218.401 and complying by means of Section 218.401(c) shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:

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- A) Control device monitoring data.
- B) A log of operating time for the capture system, control device, monitoring equipment and the associated printing line.
- C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 218.401(c), shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 218.401 from Section 218.401(c) to Section 218.401(a) or (b), the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1), respectively. Upon changing the method of compliance with Section 218.401 from Section 218.401(c) to Section 218.401(a) or (b), the owner or operator shall comply with all requirements of subsection (c) or (d), respectively.

Section 218.405 Heatset-Web-Offset Lithographic Printing

a) Applicability

- 1) The limitations of subsection (b) below apply to all heatset-web-offset lithographic printing lines at a subject facility. All facilities with heatset-web-offset lithographic printing lines are subject facilities unless:
- A) Total maximum theoretical emissions of VOM

from all heatset-web-offset lithographic printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment, or

- B) A federally enforceable construction permit or SIP revision for all heatset-web-offset lithographic printing lines(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment, and
- 2) Any owner or operator of any heatset-web-offset lithographic printing line that is exempt from the limitations in subsection (b) because of the criteria in subsection (a)(1) shall be subject to the recordkeeping and reporting requirements in subsection (c)(1).
- b) Specific Provisions. No owner or operator of a subject heatset-web- offset printing line may cause or allow the operation of the subject heatset-web-offset printing line unless the owner or operator meets the requirements in subsection (b)(1) or (b)(2) and the requirements in subsections (b)(3) and (b)(4) below.
 - 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust, or
 - 2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust, and
 - 3) The control device is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) and the monitoring equipment is installed, calibrated, operated and maintained

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according to vendor specifications at all times the control device is in use, and

- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 218.105(a), (d), and (f) and by complying with the recordkeeping and reporting requirements specified in subsection (c) below.
- c) Recordkeeping and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 218.105 to establish the records required under this subsection.
 - 1) Any owner or operator of a printing line which is exempted from the limitations of subsection (b) because of the criteria in subsection (a) shall comply with the following:
 - A) By a date consistent with Section 218.106, the owner or operator of a facility to which subsection (c)(1) is applicable shall certify to the Agency that the facility is exempt under the provisions of subsection (a). Such certification shall include:
 - i) A declaration that the facility is exempt from the limitations of subsection (b) because of the criteria in subsection (a), and
 - ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset-web-offset lithographic printing facility is the

sum of maximum theoretical emissions of VOM from each heatset-web-offset lithographic printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset-web-offset lithographic printing line at the facility.

$$E_p = (A \times B) + \frac{(C \times D)}{100}$$

where:

E_p = Total maximum theoretical emissions of VOM from one heatset-web-offset printing line in units of kg/year (lbs/year)

A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of solids

B = Total volume of solids for all inks that can potentially be applied in each year on the printing line in units of l/year (gal/year). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency

C = The weight percent VOM of the fountain solution with the highest VOM content

D = The total volume of fountain solution that can potentially be

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used each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency

- B) On and after a date consistent with Section 218.106, the owner or operator of a facility to which subsection (c)(1) is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the facility for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line.
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.

- C) On and after a date consistent with Section 218.106, the owner or operator of a facility exempted from the limitations of subsection (b) because of the criteria in subsection (a) shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- 2) Any owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(1) shall comply with the following:

- A) By a date consistent with Section 218.106, or upon initial start-up of a new printing line,

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or upon changing the method of compliance for an existing printing line from subsection (b)(2) to subsection (b)(1); the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) on and after a date consistent with Section 218.106, or on and after the initial start-up date.

- B) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(1) shall collect and record the following information each day for each printing line and maintain the information at the facility for a period of three years:

- i) Control device monitoring data.
- ii) A log of operating time for the control device, monitoring equipment and the associated printing line.
- iii) A maintenance log for the control device and monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages.

- C) On and after a date consistent with Section 218.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(1) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before

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changing the method of compliance with subsection (b) from subsection (b)(1) to (b)(2), the owner or operator shall comply with all requirements of subsection (c)(3)(A). Upon changing the method of compliance with subsection (b) from subsection (b)(1) to (b)(2), the owner or operator shall comply with all requirements of subsection (c)(3).

- 3) Any owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(2) shall comply with the following:

A) By a date consistent with Section 218.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2); the owner or operator of the subject printing line shall perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(2) on and after a date consistent with Section 218.106, or on and after the initial start-up date.

B) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(2) shall collect and record the following information each day for each printing line and maintain the information at the facility for a period of three years:

- i) The VOM content of the fountain solution used each day on each printing line.
- ii) A log of operating time for the control device and the associated printing line.
- iii) A maintenance log for the control device

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detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- C) On and after a date consistent with Section 218.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(2) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before changing the method of compliance with subsection (b) from subsection (b)(2) to (b)(1), the owner or operator shall comply with all requirements of subsection (c)(2)(A). Upon changing the method of compliance with subsection (b) from subsection (b)(2) to (b)(1), the owner or operator shall comply with all requirements of subsection (c)(2).

d) Compliance Schedule. Every owner or operator of a heatset-web-offset lithographic printing line shall comply with the applicable requirements of subsections (b) and (c) in accordance with the applicable compliance schedule specified in subsection (d)(1), (d)(2), or (d)(3) below:

- 1) No owner or operator of a heatset-web-offset lithographic printing line which is exempt from the limitations of subsection (b) because of the criteria in subsection (a) shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, subsection (b)(1) and (c)(1).
- 2) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(1) shall operate said printing line on or after a date consistent with Section

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218.106, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2) and (c)(2).

- 3) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(2) shall operate said printing line on or after a date consistent with Section 218.106, unless the owner or operator has complied with, and continues to comply with, subsection (c)(3).

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING EQUIPMENT

Section 218.421

General Requirements

The owner or operator of a plant which processes more than 3660 mg/yr (4033 tons/year) gaseous and light liquid VOM, and whose components are used to manufacture the synthetic organic chemicals or polymers listed in Appendix A, shall comply with this Subpart. The provisions of this Subpart are applicable to components containing 10 percent or more by weight VOM as determined by ASTM method E-168, E-169 and E-260, incorporated by reference in Section 218.112. Those components that are not process unit components are exempt from this Subpart. A component shall be considered to be leaking if the VOM is equal to, or is greater than 10,000 ppmv as methane or hexane as determined by USEPA Reference Method 21, as specified at 40 CFR 60, Appendix A, incorporated by reference in Section 218.112, indication of liquids dripping, or indication by a sensor that a seal or barrier fluid system has failed. The provisions of this Subpart are not applicable if the equipment components are used to produce heavy liquid chemicals only from heavy liquid feed or raw materials.

Section 218.422 Inspection Program Plan for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 218.421 shall prepare an inspection program plan which contains, at a minimum:

- a) An identification of all components and the period in which each will be monitored pursuant to Section 218.423.

- b) The format for the monitoring log required by Section 218.425.
- c) A description of the monitoring equipment to be used when complying with Section 218.423;
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service, all leaking components, and components exempted under Section 218.423(i) such that they are obvious and can be located by both plant personnel performing monitoring and Agency personnel performing inspections.

Section 218.423

Inspection Program for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to this subpart shall, for the purposes of detecting leaks, conduct a component inspection program using the test methods specified in Method 21, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112, consistent with the following provisions:

- a) Test annually those components operated near extreme temperature or pressure such that they would be unsafe to routinely monitor and those components which would require the elevation of monitoring personnel higher than two meters above permanent worker access structures or surfaces.
- b) Test quarterly all other pressure relief valves in gas service, pumps in light liquid service, valves in light liquid service and in gas service, and compressors.
- c) If less than or equal to 2 percent of the valves in light liquid service and in gas service tested pursuant to subsection (b) are found not to leak for five consecutive quarters, no leak tests shall be required for three consecutive quarters. Thereafter, leak tests shall resume for the next quarter. If that test shows less than or equal to 2 percent of the valves in light liquid service and in gas service are leaking, then no tests are required for the next three quarters. If more than 2 percent are leaking, then tests are required for the next five quarters.

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- d) Observe visually all pump seals weekly.
- e) Test immediately any pump seal from which liquids are observed dripping.
- f) Test any relief valve within 24 hours after it has vented to the atmosphere.
- g) Routine instrument monitoring of valves which are not externally regulated, flanges, and equipment in heavy liquid service, is not required. However, any valve which is not externally regulated, flange or piece of equipment in heavy liquid service that is found to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable but no later than 30 days after the leak is found.
- h) Test immediately after repair any component that was found leaking.
- i) Within one hour of its detection, a weatherproof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected must be affixed on the leaking component and remain in place until the leaking component is repaired.
- j) The following components are exempt from the monitoring requirements in this Section:
- 1) Any component that is in vacuum service, and
 - 2) Any pressure relief valve that is connected to an operating flare header or vapor recovery device.

Section 218.424

Repairing Leaks

All leaking components must be repaired and retested as soon as practicable but no later than 15 days after the leak is found unless the leaking component cannot be repaired until the process unit is shut down. Records of repairing and retesting must be maintained in accordance with Section 218.425 and 218.426.

Section 218.425

Recordkeeping for Leaks

- a) The owner or operator of a synthetic organic chemical

or polymer manufacturing plant shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:

- 1) The name of the process unit where the component is located;
 - 2) The type of component (e.g., valve, seal);
 - 3) The identification number of the component;
 - 4) The date on which a leaking component is discovered;
 - 5) The date on which a leaking component is repaired;
 - 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
 - 7) A record of the calibration of the monitoring instrument;
 - 8) The identification number of leaking components which cannot be repaired until process unit shutdown; and
 - 9) The total number of valves in light liquid service and in gas service inspected; the total number and the percentage of these valves found leaking during the monitoring period.
- b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report was prepared.
- c) Copies of the monitoring log shall be made available to the Agency upon verbal or written request prior to or at the time of inspection pursuant to Section 4(d) of the Environmental Protection Act (Act) (Ill. Rev. Stat. 1989, ch. 111 1/2, pars. 1001 et seq.) at any reasonable time.

Section 218.426

Report for Leaks

The owner or operator of a synthetic organic chemical or polymer

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manufacturing plant subject to Section 218.421 through 218.430 shall:

- a) Submit quarterly reports to the Agency on or before March 31, June 30, September 30, and December 31 of each year, listing all leaking components identified pursuant to Section 218.423 but not repaired within 15 days, all leaking components awaiting process unit shutdown, the total number of components inspected, the type of components inspected, and the total number of components found leaking, the total number of valves in light liquid service and in gas service inspected and the number and percentage of valves in light liquid service and in gas service found leaking.

- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Section 218.421 through 218.427.

Section 218.427 Alternative Program for Leaks

The Agency shall approve an alternative program of monitoring, recordkeeping, or reporting to that prescribed in this Subpart upon a demonstration by the owner or operator of such plant that the alternative program will provide plant personnel and Agency personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed if approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.428 Open-Ended Valves

- a) Each open-ended valve shall be equipped with a cap, blind flange, plug, or a second valve, except during operations requiring fluid flow through the open-ended valve.
- b) Each open-ended valve equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

- c) Components which are open-ended valves and which serve as a sampling connection shall be controlled such that:

- 1) A closed purge system or closed vent system shall

return purged process fluid to the process line with no detectable VOM emissions to the atmosphere, or

- 2) A closed purge system or closed vent system shall collect and recycle purged process fluid to the process line with no detectable VOM emissions to the atmosphere, or
- 3) Purged process fluid shall be transported to a control device that complies with the requirements of Section 218.429.

- d) In-situ sampling systems are exempt from subsection (c).

Section 218.429 Standards for Control Devices

Control devices used to comply with Section 218.428(c) shall comply with the following:

- a) If the control device is a vapor recovery system (for example, condensers and adsorbers), it shall be designed and operated to recover the VOM emissions vented to it with an efficiency of 95 percent or greater.
- b) If the control device is an enclosed combustion device, it shall be designed and operated to reduce the VOM emissions vented to it with an efficiency of 95 percent or greater, or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816°C.
- c) If the control device is a flare, it shall:
 - 1) Be designed for and operated with no visible emissions as determined by USEPA Reference Method 22, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
 - 2) Be operated with a pilot flame present at all times and shall be monitored with a thermocouple or any other equivalent device to detect the presence of the pilot flame.

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- 3) Be steam-assisted, air assisted, or nonassisted.
- 4) Be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm or greater if the flare is nonassisted. The net heating value of the gas being combusted shall be calculated using the following equation:

$$H_r = K \sum_{i=1}^n C_i H_i$$

where:

H_r = Net heating value of the sample in MJ/scm; where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C

K = Constant,

$$1.740 \times 10^{-7} \text{ (1/ppm) (g-mole/scm) (MJ/Kcal)}$$

where

standard temperature for (g-mole/scm) is 20°C

C_i = Concentration of sample component i , in ppm, as measured by USEPA Reference Method 18, 40 CFR 60, Appendix A (1986), and ASTM D 2504-83, both incorporated by reference in Section 218.112

H_i = Net heat of combustion of sample component i , kcal/g mole. The heats of combustion may be determined using ASTM D 2382-83, incorporated by reference in Section 218.112, if published values are not available or cannot be calculated

- 5) Steam-assisted and nonassisted flares shall be

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designed and operated with an exit velocity, as determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by USEPA Reference Method 2 or 2A, 40 CFR 60, Appendix A (1986) incorporated by reference in Section 218.112, as appropriate; by the unobstructed (free) cross sectional area of the flare tip, less than 18 m/sec (60 ft/sec).

- 6) Air-assisted flares shall be designed and operated with an exit velocity less than the maximum permitted velocity, V_{max} , as determined by the following equation:

$$V_{max} = 8.706 + 0.7084(H_r)$$

V_{max} = Maximum permitted velocity, m/sec.

8.706 = Constant.

0.7084 = Constant.

H_r = The net heating value as determined in subsection (c)(4) of this section.

- d) If the control device is a closed container, it shall be designed and operated to reduce the VOM emissions, vented from purged process fluid after transfer, to no detectable VOM emissions as determined by USEPA Reference Method 21 as specified at 40 CFR 60, Appendix A (1986), incorporated by reference in Section 218.112. For purposes of this Section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the closed container or containers including the final container(s) prior to disposal.

- e) The owner or operator of a control device shall monitor the control device to ensure that it is operated and maintained in conformance with the manufacturer's specifications, modified to the particular process design.

- f) The control device shall be operated at all times when emissions may be vented to it.

Section 218.430 Compliance Date

The owner or operator of a synthetic organic chemical or polymer

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manufacturing plant subject to 35 Ill. Adm. Code 215.430 through 215.438 as of December 31, 1987 shall have complied with the standards and limitations of those Sections no later than December 31, 1987.

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

Section 218.441 Petroleum Refinery Waste Gas Disposal

- a) Except as provided in subsection (b) or (c), no person shall cause or allow the discharge of organic materials in excess of 100 ppm equivalent methane (molecular weight 16.0) into the atmosphere from:

- 1) Any catalyst regenerator of a petroleum cracking system; or
 - 2) Any petroleum fluid coker; or
 - 3) Any other waste gas stream from any petroleum or petrochemical manufacturing process.
- b) Exception. Existing sources subject to subsection (a)(3) may, alternatively, at their election, comply with the organic material emission limitations imposed by 35 Ill. Adm. Code 215.301 or 215.302; provided, however, that there shall be no increase in emissions from such sources above the level of emissions in existence on May 3, 1979.

- c) New Sources. Sources subject to subsection (a)(3), construction of which commenced on or after January 1, 1977, may, at their election, comply with the following emission limitations:

- 1) A maximum of eight pounds per hour of organic material; or
- 2) Emission of organic material in excess of the limitation of subsection (c)(1) is allowable if such emissions are controlled by air pollution control methods or equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would otherwise be emitted to the atmosphere. Such

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methods or equipment must be approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.442 Vacuum Producing Systems

No owner or operator of a petroleum refinery shall cause or allow the operation of any vacuum producing system unless the condensers, hot wells and accumulators of any such system are equipped with vapor loss control equipment including, but not limited to, piping, valves, flame arrestors and hot wellcovers, to vent any VOM with a vapor pressure of 10.34 kPa (1.5 psia) or greater at 294.3°K (70°F) to a heater, fire box, flare, refinery fuel gas system, or other equipment or system of equal emission control as approved by the Agency and approved by the USEPA as a SIP revision. This Section shall not apply to vacuum producing systems on lube units.

Section 218.443 Wastewater (Oil/Water) Separator

No owner or operator of a petroleum refinery shall operate any wastewater (oil/water) separator at a petroleum refinery unless the separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. If no odor nuisance exists, the limitation of this Section shall not apply if the vapor pressure of the organic material is below 10.34 kPa (1.5 psia) at 204.3°K (70°F) at all times.

Section 218.444 Process Unit Turnarounds

- a) No owner or operator of a petroleum refinery shall cause or allow a refinery process unit turnaround except in compliance with an operating procedure as approved by the Agency.

- b) Unless a procedure was already on file with the Agency as part of an approved operating permit no later than November 1, 1979, the owner or operator of a petroleum refinery shall submit to the Agency for approval a detailed procedure for reducing emissions of VOM during refinery process unit turnarounds from organic material with a vapor pressure of 10.34 kPa (1.5 psia) or greater at 294.3°K (70°F). The Agency shall not approve the procedure unless it provides for:

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- 1) Depressurization of the refinery process unit or vessel to a flare, refinery fuel gas system, or other equipment or system of equal emission control, as approved by the Agency and approved by the USEPA as a SIP revision, until the internal pressure from the vessel or unit is less than 5.0 psig before allowing the vessel to be vented to the atmosphere;

- 2) Recordkeeping of the following items:

- A) Each date that a refinery unit or vessel is shut down; and
- B) The total estimated quantity of VOM emitted to the atmosphere and the duration of the emission in hours.

Section 218.445

Leaks: General Requirements

- a) The owner or operator of a petroleum refinery shall:

- 1) Develop a monitoring program plan consistent with the provisions of Section 218.446;
- 2) Conduct a monitoring program consistent with the provisions of Section 218.447;
- 3) Record all leaking components which have a volatile organic material concentration exceeding 10,000 ppm consistent with the provisions of Section 218.448;
- 4) Identify each component consistent with the monitoring program plan submitted pursuant to Section 218.446;
- 5) Repair and retest the leaking components as soon as possible within 22 days after the leak is found, but no later than June 1 for the purposes of Section 218.447(a)(1), unless the leaking components cannot be repaired until the unit is shut down for turnaround; and
- 6) Report to the Agency consistent with the provisions of Section 218.449.

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Section 218.446 Monitoring Program Plan for Leaks

The owner or operator of a petroleum refinery shall prepare a monitoring program plan which contains, at a minimum:

- a) An identification of all refinery components and the period in which each will be monitored pursuant to Section 218.447;
- b) The format for the monitoring log required by Section 218.448;
- c) A description of the monitoring equipment to be used pursuant to Section 218.447; and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service and all leaking components such that they are obvious to both refinery personnel performing monitoring and Agency personnel performing inspections.

Section 218.447 Monitoring Program for Leaks

- a) The owner or operator of a petroleum refinery subject to Section 218.445 shall, for the purpose of detecting leaks, conduct a component monitoring program consistent with the following provisions:

- 1) Test once between March 1 and June 1 of each year, by methods referenced in Section 218.105(g), all pump seals, pipeline valves in liquid service and process drains.
- 2) Test once each quarter of each calendar year, by methods referenced in Section 218.105(g), all pressure relief valves in gaseous service, pipeline valves in gaseous service and compressor seals.
- 3) Inaccessible valves may be tested once each calendar year instead of once each quarter of each calendar year.
- 4) Observe visually all pump seals weekly.

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- 5) Test immediately any pump seal from which liquids are observed dripping,
 - 6) Test any relief valve within 24 hours after it has vented to the atmosphere, and
 - 7) Test immediately after repair any component that was found leaking.
- b) Storage tank valves and pressure relief devices connected to an operating flare header or vapor recovery device are exempt from the monitoring requirements in subsection (a).
- c) The Agency or the USEPA may require more frequent monitoring than would otherwise be required by subsection (a) for components which are demonstrated to have a history of leaking.

Section 218.448 Recordkeeping for Leaks

- a) The owner or operator of a petroleum refinery shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:

- 1) The name of the process unit where the component is located;
- 2) The type of component (e.g., valve, seal);
- 3) The identification number of the component;
- 4) The date on which a leaking component is discovered;
- 5) The date on which a leaking component is repaired;
- 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
- 7) A record of the calibration of the monitoring instrument;
- 8) The identification number of leaking components which cannot be repaired until turnaround; and

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- 9) The total number of components inspected and the total number of components found leaking during that monitoring period.
 - b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report prepared.
 - c) Copies of the monitoring log shall be made available to the Agency, upon verbal or written request, at any reasonable time.
- Section 218.449 Reporting for Leaks
- The owner or operator of a petroleum refinery shall:
- a) Submit a report to the Agency prior to the 1st day of both July and September listing all leaking components identified pursuant to Section 218.447 but not repaired within 22 days, all leaking components awaiting unit turnaround, the total number of components inspected and the total number of components found leaking;
 - b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Sections 218.445 through 218.448.

Section 218.450 Alternative Program for Leaks

The Agency may approve an alternative program of monitoring, recordkeeping or reporting to that prescribed in Sections 218.446 through 218.449 upon a demonstration by the owner or operator of a petroleum refinery that the alternative program will provide refinery, Agency and USEPA personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed only if approved by the USEPA as a SIP revision.

Section 218.451 Sealing Device Requirements

Except for safety pressure relief valves, no owner or operator of a petroleum refinery shall install or operate a valve at the end of a pipe or line containing VOMs unless the pipe or line is sealed with a second valve, blind flange, plug, cap or other sealing device. The sealing device may be removed only when a

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sample is being taken or during maintenance operations.

Section 218.452 Compliance Schedule for Leaks

The owner or operator of a petroleum refinery shall adhere to the increments of progress contained in the following schedule:

- a) Have submitted to the USEPA a monitoring program consistent with Section 218.446 prior to September 1, 1990.
- b) Have submitted to the USEPA the first monitoring report pursuant to Section 218.449 prior to October 1, 1990.

Section 218.453 Compliance Dates

Every owner or operator of a petroleum refinery subject to 35 Ill. Adm. Code 215, Subpart R as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section 218.461 Manufacture of Pneumatic Rubber Tires

The owner or operator of an undertread cementing, treadend cementing or bead dipping operation at a pneumatic rubber tire manufacturing facility shall install and operate:

- a) A capture system, with minimum capture efficiency of 65 percent by weight of VOM for treadend cementing or bead dipping operations and a capture system with a minimum capture efficiency of 55.5 percent by weight of VOM for undertread cementing; and
- b) A control device that meets the requirements of one of the following:
 - 1) A carbon adsorption system designed and operated in a manner such that there is at least a 90 percent removal of VOM by weight from the gases ducted to the control device;
 - 2) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOMs (VOM measured as total combustible carbon) to carbon dioxide and water; and

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- 3) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.462 Green Tire Spraying Operations

The owner or operator of a green tire spraying operation at a pneumatic rubber tire manufacturing facility shall:

- a) Install and operate:
 - 1) A capture system with a minimum capture efficiency of 90 percent by weight of VOM; and
 - 2) A control device that meets the requirements of one of the following:
 - A) A carbon adsorption system designed and operated in a manner such that there is at least 90 percent removal of VOM by weight from the bases ducted to the control device;
 - B) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (measured as total combustible carbon) to carbon dioxide and water; or
 - C) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA as a SIP revision.
- b) Substitute for the normal solvent-based mold release compound water-based sprays containing:
 - 1) No more than five percent by volume of VOM as applied for the inside of tires;
 - 2) No more than ten percent by volume of VOM as applied for the outside of tires.

Section 218.463 Alternative Emission Reduction Systems

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In lieu of complying with Section 218.461 or 218.462, the owner or operator of an emission source may utilize an alternative volatile organic emission reduction system, including an alternative production process, which is demonstrated to be equivalent to Section 218.461 or 218.462 on the basis of emissions of volatile organic matter. A treadend cementing operation shall be considered equivalent to Section 218.461 or 218.462 for the purposes of this Section if the total volatile organic emission from such operation is 10 grams or less per tire.

Section 218.464 Testing and Monitoring

- a) Upon a reasonable request by the Agency, the owner or operator of a VOM emission source required to comply with a limit of Sections 218.461 through 218.464 shall conduct emissions testing, at such person's own expense, to demonstrate compliance.
- b) A person planning to conduct a VOM emission test to demonstrate compliance shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

Section 218.465 Compliance Dates

Every owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart S, as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.

Section 218.466 Compliance Plan

- a) The owner or operator of an emission source shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than April 21, 1983.
- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.
- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific

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interim dates as required in 35 Ill. Adm. Code 201.242.

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section 218.480 Applicability

- a) The rules of this Subpart, except for Sections 218.483 through 218.485, apply to all emission sources of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If an emission source emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission source if VOM emissions from the emission source exceed 45.4 kg/day (100 lbs/day).
- b) Notwithstanding subsection (a), the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 218.483 through 218.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:
 - 1) for the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);
 - 2) for each fluid bed dryer: 4,535 kg/year (5.0 tons/year);
 - 3) for each tunnel dryer: 6,803 kg/year (7.5 tons/year); and
 - 4) for each Accelacota: 6,803 kg/year (7.5 tons/year).
- c) Sections 218.483 through 218.485 apply to a plant having one or more emission sources that:
 - 1) Are used to manufacture pharmaceuticals, and

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- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).
- d) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission source from this Subpart.
- e) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.
- f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.
- g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.
- h) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission source operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 218.487 for the hourly emission rate (or the emissions per unit of throughput), such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 218.112. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 218.487.)

Section 218.481

Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

- a) The owner or operator shall equip all reactors,

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distillation units, crystallizers, centrifuges and vacuum dryers that are used to manufacture pharmaceuticals with surface condensers or other air pollution control equipment listed in subsection (b). If a surface condenser is used, it shall be operated such that the condenser outlet gas temperature does not exceed:

- 1) 248.2°K (-13°F) when condensing VOM of vapor pressure greater than 40.0 kPa (5.8 psi) at 294.3°K (70°F), or
 - 2) 258.2°K (5°F) when condensing VOM of vapor pressure greater than 20.0 kPa (2.9 psi) at 294.3°K (70°F), or
 - 3) 273.2°K (32°F) when condensing VOM of vapor pressure greater than 10.0 kPa (1.5 psi) at 294.3°K (70°F), or
 - 4) 283.2°K (50°F) when condensing VOM of vapor pressure greater than 7.0 kPa (1.0 psi) at 294.3°K (70°F), or
 - 5) 298.2°K (77°F) when condensing VOM of vapor pressure greater than 3.45 kPa (0.5 psi) at 294.3°K (70°F).
- b) If a scrubber, carbon adsorber, thermal afterburner, catalytic afterburner, or other air pollution control equipment other than a surface condenser is used, such equipment shall provide a reduction in the emissions of VOM of 90 percent or more.
 - c) The owner or operator shall enclose all centrifuges used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

Section 218.482

Control of Air Dryers, Production Equipment Exhaust Systems and Filters

- a) The owner or operator of an air dryer or production equipment exhaust system used to manufacture

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pharmaceuticals shall control the emissions of VOM from such emission sources by air pollution control equipment which reduces by 90 percent or more the VOM that would otherwise be emitted into the atmosphere.

- b) The owner or operator shall enclose all rotary vacuum filters and other filters used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294°K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

Section 218.483 Material Storage and Transfer

The owner or operator of a pharmaceutical manufacturing plant shall:

- a) Provide a vapor balance system that is at least 90 percent effective in reducing VOM emissions from truck or railcar deliveries to storage tanks with capacities equal to or greater than 7.57 m³ (2,000 gal) that store VOL with vapor pressures greater than 28.0 kPa (4.1 psi) at 294.3°K (70°F), and
- b) Install, operate, and maintain pressure/vacuum conservation vents set at 0.2 kPa (0.03 psi) or greater on all storage tanks that store VOL with vapor pressures greater than 10 kPa (1.5 psi) at 294.3°K (70°F).

Section 218.484 In-Process Tanks

The owner or operator shall install covers on all in-process tanks used to manufacture pharmaceuticals and containing a VOL at any time. These covers must remain closed, except as production, sampling, maintenance or inspection procedures require operator access.

Section 218.485 Leaks

The owner or operator of a pharmaceutical manufacturing plant shall repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found. If the leaking component cannot be repaired until the process unit is

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shut down, the leaking component must then be repaired before the unit is restarted.

Section 218.486 Other Emission Sources

The owner or operator of a washer, laboratory hood, tablet coating operation, mixing operation or any other process emission source not subject to Sections 218.481 through 218.485, and used to manufacture pharmaceuticals shall control the emissions of VOM from such emission sources by:

- a) Air pollution control equipment which reduces by 81 percent or more the VOM that would otherwise be emitted to the atmosphere, or
- b) A surface condenser which captures all the VOM which would otherwise be emitted to the atmosphere and which meets the requirements of Section 218.481(a) and (b).

Section 218.487 Testing

- a) Upon request by the Agency or the USEPA, the owner or operator of any VOM emission source subject to this Subpart or exempt from this Subpart by virtue of the provisions of Section 218.480 shall, at his own expense, demonstrate compliance to the Agency and the USEPA by the methods or procedures listed in Section 218.105(f)(1).

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency and the USEPA of that intent not less than 30 calendar days before the planned initiation of the test.

Section 218.488 Monitoring for Air Pollution Control Equipment

- a) At a minimum, continuous monitors for the following parameters shall be installed on air pollution control equipment used to control sources subject to this Subpart:

- 1) Destruction device combustion temperature.
- 2) Temperature rise across a catalytic afterburner

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bed.

- 3) VOM concentration on a carbon adsorption unit to determine breakthrough.
- 4) Outlet gas temperature of a refrigerated condenser.
- 5) Temperature of a non-refrigerated condenser coolant supply system.
- b) Each monitor shall be equipped with a recording device.
- c) Each monitor shall be calibrated quarterly.
- d) Each monitor shall operate at all times while the associated control equipment is operating.

Section 218.489 Recordkeeping for Air Pollution Control Equipment

- a) The owner or operator of a pharmaceutical manufacturing facility shall maintain the following records:

- 1) Parameters listed in Section 218.488(a)(1) shall be recorded.
- 2) For sources subject to Section 218.481, the vapor pressure of VOM being controlled shall be recorded for every process.
- b) For any leak subject to Section 218.485 which cannot be readily repaired within one hour after detection, the following records shall be kept:

- 1) The name of the leaking equipment,
- 2) The date and time the leak is detected,
- 3) The action taken to repair the leak, and
- 4) The data and time the leak is repaired.

- c) The following records shall be kept for emission sources subject to Section 218.484 which contain VOL:

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- 1) For maintenance and inspection:

- A) The date and time each cover is opened,
- B) The length of time the cover remains open, and
- C) The reason why the cover is opened.

- 2) For production and sampling, detailed written procedures or manufacturing directions specifying the circumstances under which covers may be opened and the procedures for opening covers.

- d) For each emission source used in the manufacture of pharmaceuticals for which the owner or operator of a pharmaceutical manufacturing plant claims emission standards are not applicable, because the emissions are below the applicability cutoffs in Section 218.480(a) or 218.480(b), the owner or operator shall:

- 1) Maintain a demonstration including detailed engineering calculations of the maximum daily and annual emissions for each such emission source showing that the emissions are below the applicability cutoffs in Section 218.480(a) or 218.480(b), as appropriate, for the current and prior calendar years;
- 2) Maintain appropriate operating records for each such emission source to identify whether the applicability cutoffs in Section 218.480(a) or 218.480(b), as appropriate, are ever exceeded; and
- 3) Provide written notification to the Agency and the USEPA within 30 days of a determination that such an emission source has exceeded the applicability cutoffs in Section 218.480(a) or 218.480(b), as appropriate.
- e) Records required under subsection (a) shall be maintained by the owner or operator for a minimum of two years after the date on which they are made.
- f) Copies of the records shall be made available to the Agency or the USEPA upon verbal or written request.

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SUBPART V: 'AIR OXIDATION PROCESSES

Section 218.521 Definitions

In addition to the definitions of 35 Ill. Adm. Code 211, the following definitions apply to this Subpart:

"Air Oxidation Process": any unit process including ammoxidation and oxychlorination which uses air or a combination of air and oxygen as an oxidant in combination with one or more organic reactants to produce one or more organic compounds.

"Cost Effectiveness": the annual expense for cost of control of a given process stream divided by the reduction in emissions of organic material of that stream.

"Flow (F)": Vent stream flowrate (scm/min) at a standard temperature of 20°C.

"Full Operating Flowrate": Maximum operating capacity of the facility.

"Hourly Emissions (E)": Hourly emissions reported in kg/hr measured at full operating flowrate.

"Net Heating Value (H)": Vent stream net heating value (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow."

"Process Vent Stream": An emission stream resulting from an air oxidation process.

"Total Resource Effectiveness Index (TRE)": Cost effectiveness in dollars per megagram of controlling any gaseous stream vented to the atmosphere from an air oxidation process divided by \$1600/Mg, using the criteria and methods set forth in this Subpart and Appendices C and D.

Section 218.525 Emission Limitations for Air Oxidation

Processes

- a) No person shall cause or allow the emission of VOM from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:
- 1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or
 - 2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.
- b) Air oxidation facilities for which an existing combustion device is employed to control process VOM emissions are not required to meet the 98 percent emissions limit until the combustion device is replaced for other reasons, which shall be considered to include, but not be limited to, normal maintenance, malfunction, accident, and obsolescence. The combustion device is considered to be replaced when:
- 1) All of the device is replaced; or
 - 2) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.
- c) The limitations of subsection (a) do not apply to any process vent stream or combination of process vent streams which has a Total Resource Effectiveness Index (TRE) greater than 1.0, as determined by the following methods:
- 1) If an air oxidation process has more than one process vent stream, TRE shall be based upon a combination of the process vent streams.
 - 2) TRE of a process vent stream shall be determined according to the following equation:
$$TRE = E^1 [a + bF^n + cF + dFH + e(FH)^n + fF^{0.5}]$$
where:

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- n = 0.88
- TRE = Total resource effectiveness index
- F = Vent stream flowrate (scm/min), at a standard temperature of 20°C
- E = Hourly measured emissions in kg/hr
- H = Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow"

a,b,c,d,
e and f = Coefficients obtained by use of Appendix F

- 3) For nonchlorinated process vent streams, if the net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by F' for purposes of calculating TRE. F' is computed as follows:

$$F' = FH / 3.6$$

where F and H are as defined in subsection (c)(2).

- 4) The actual numerical values used in the equation described in subsection (c)(2) shall be determined as follows:

- A) All reference methods and procedures for determining the flow (F), hourly emissions (E), and net heating (H), value shall be in accordance with Appendix C.
- B) All coefficients described in subsection (c)(2) shall be in accordance with Appendix D.

Section 218.526 Testing and Monitoring

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- a) Upon reasonable request by the Agency, the owner or operator of an air oxidation process shall demonstrate compliance with this Subpart by use of the methods specified in Appendix C. This Section does not limit the USEPA's authority, under the Clean Air Act, to require demonstrations of compliance.
- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so that the Agency may observe the test.

Section 218.527 Compliance Date

Each owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart V, as of December 31, 1987 shall have complied with the standards and limitations of 35 Ill. Adm. Code 215, Subpart V, by December 31, 1987.

SUBPART W: AGRICULTURE

Section 218.541 Pesticide Exception

The provisions of Sections 218.301 and 218.302 shall not apply to the spraying or use of insecticides, herbicides or other pesticides.

SUBPART X: CONSTRUCTION

Section 218.561 Architectural Coatings

No person shall cause or allow the sale or use of any architectural coating containing more than 20 percent by volume of photo-chemically reactive material in containers having a capacity of more than one gallon.

Section 218.562 Paving Operations

The provisions of Sections 218.301 and 218.302 shall not apply to the application of paving asphalt and pavement marking paint from sunrise to sunset.

Section 218.563 Cutback Asphalt

- a) No person shall cause or allow the use or application

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of cutback asphalt for paving, resurfacing, reconditioning, repairing or otherwise maintaining a roadway unless:

- 1) The use or application of the cutback asphalt commences on or after October 1 of any year and such use or application is completed by April 30 of the following year; or
 - 2) The cutback asphalt is a long-life stockpile material which remains in stock after April 30 of each year and as such it may be used until depleted for patching potholes and for other similar repair work; or
 - 3) The cutback asphalt is to be used solely as an asphalt prime coat.
- b) Sources subject to this Section are not required to submit or obtain an Agency approved compliance plan or project completion schedule under 35 Ill. Adm. Code 201, Subpart H.

SUBPART Y: GASOLINE DISTRIBUTION

Section 218.581 Bulk Gasoline Plants

- a) Subject to subsection (e), no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:
- 1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d) (4),
 - 2) Each vapor collection system is operating,
 - 3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Sections 218.584 (b) or (d),
 - 4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest

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pressure allowed by State or local fire codes or the guidelines of the National Fire Prevention Association, and

- 5) The stationary storage tank is equipped with a submerged loading pipe.
- b) Subject to subsection (f), no person may cause or allow the transfer of gasoline from a stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:
- 1) The requirements set forth in subsections (a)(1) through (a)(4) are met, and
 - 2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.
- c) Subject to subsection (e), each owner of a stationary storage tank located at a bulk gasoline plant shall:
- 1) Equip each stationary storage tank with a vapor control system that meets the requirements of subsection (a) or (b), whichever is applicable,
 - 2) Provide instructions to the operator of the bulk gasoline plant describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system, and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (e), each operator of a bulk gasoline plant shall:
- 1) Maintain and operate each vapor control system in accordance with the owner's instructions,
 - 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system, and

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- 3) Maintain gauges, meters or other specified testing devices in proper working order,
- 4) Operate the bulk plant vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 45.7 cm (18 in.) of water and vacuum from exceeding 15.2 cm (6 in.) of water, as measured as close as possible to the vapor hose connection, and
 - B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, EPA 450/2-78-051, (incorporated by reference in Section 218.112), and
 - C) Avoidable leaks of liquid during loading or unloading operations.
- 5) Provide a pressure tap or equivalent on the bulk plant vapor collection system in order to allow the determination of compliance with subsection (d)(4)(A), and
- 6) Within 15 business days after discovery of any leak by the owner, the operator, the Agency or the USEPA, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) or (B).
- e) The requirements of subsections (a), (c) and (d) shall not apply to:
 - 1) Any stationary storage tank with a capacity of less than 2,177 l (575 gal), or
 - 2) Any bulk gasoline plant whose daily gasoline throughput is less than 15,140 l (4,000 gal/day) on a thirty-day rolling average.

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- f) The requirements of subsection (b) shall apply only to bulk gasoline plants whose daily gasoline throughput is greater than or equal to 15,140 l (4,000 gal/day) on a thirty-day rolling average.
 - g) Any bulk gasoline plant which is ever subject to subsections (a), (b), (c), or (d) shall always be subject to these paragraphs.
- Section 218.582 Bulk Gasoline Terminals
- a) No person shall cause or allow the transfer of gasoline into any delivery vessel from any bulk gasoline terminal unless:
 - 1) The bulk gasoline terminal is equipped with a vapor control system that limits emission of VOM to 80 mg/l (0.00067 lbs/gal) of gasoline loaded;
 - 2) The vapor control system is operating and all vapors displaced in the loading of gasoline to the delivery vessel are vented only to the vapor control system;
 - 3) There is no liquid drainage from the loading device when it is not in use;
 - 4) All loading and vapor return lines are equipped with fittings which are vapor tight; and
 - 5) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 218.584(b) or (d); or, if the terminal is driver-loaded, the terminal owner or operator shall be deemed to be in compliance with this Section when terminal access authorization is limited to those owners and/or operators of delivery vessels who have provided a current certification as required by Section 218.584(c)(3).
 - b) Bulk gasoline terminals were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix C.

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c) The operator of a bulk gasoline terminal shall:

- 1) Operate the terminal vapor collection system and gasoline loading equipment in a manner that prevents:
 - A) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water as measured as close as possible to the vapor hose connection; and
 - B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B incorporated by reference in Section 218.112; and
- C) Avoidable leaks of liquid during loading or unloading operations.
- 2) Provide a pressure tap or equivalent on the terminal vapor collection system in order to allow the determination of compliance with Section 218.582(d)(1)(A); and
- 3) Within 15 business days after discovery of the leak by the owner, operator, or the Agency repair and retest a vapor collection system which exceeds the limits of subsection (c)(1)(A) or (B).

Section 218.583

Gasoline Dispensing Facilities

- a) Subject to subsection (b), no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility unless:
 - 1) The tank is equipped with a submerged loading pipe; and
 - 2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:
 - A) A vapor collection system that meets the

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requirements of subsection (d)(4); or

- B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90 percent by weight of all vaporized organic material from the equipment being controlled; and
 - C) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 218.584(b) or (d).
- b) The requirements of subsection (a)(2) shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility if:
- 1) The tank is equipped with a floating roof, or other system of equal or better emission control approved by the Agency and approved by the USEPA as a SIP revision;
 - 2) The tank has a capacity of less than 2000 gallons and was in place and operating before January 1, 1979; or
 - 3) The tank has a capacity of less than 575 gallons.
- c) Subject to subsection (b), each owner of a gasoline dispensing facility shall:
- 1) Install all control systems and make all process modifications required by subsection (a);
 - 2) Provide instructions to the operator of the gasoline dispensing facility describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
 - 3) Repair, replace or modify any worn out or malfunctioning component or element of design.
- d) Subject to subsection (b), each operator of a gasoline dispensing facility shall:

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- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
- 3) Maintain gauges, meters or other specified testing devices in proper working order;
- 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
 - A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B, and
 - B) Avoidable leaks of liquid during the filling of storage tanks; and
- 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A).
- e) Gasoline dispensing facilities were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix C.

Section 218.584 Gasoline Delivery Vessels

- a) Any delivery vessel equipped for vapor control by use of vapor collection equipment:

- 1) Shall have a vapor space connection that is equipped with fittings which are vapor tight;
- 2) Shall have its hatches closed at all times during loading or unloading operations, unless a top loading vapor recovery system is used;
- 3) Shall not internally exceed a gauge pressure of 18 inches of water or a vacuum of 6 inches of water;

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- 4) Shall be designed and maintained to be vapor tight at all times during normal operations;
- 5) Shall not be refilled in Illinois at other than:
 - A) A bulk gasoline terminal that complies with the requirements of Section 218.582 or
 - B) A bulk gasoline plant that complies with the requirements of Section 218.581(b).
- 6) Shall be tested annually in accordance with Method 27, 40 CFR 60, Appendix A, incorporated by reference in Section 218.105. Each vessel must be repaired and retested within 15 business days after discovery of the leak by the owner, operator, or the Agency, when it fails to sustain:
 - A) A pressure drop of no more than three inches of water in five minutes; and
 - B) A vacuum drop of no more than three inches of water in five minutes.
- b) Any delivery vessel meeting the requirements of subsection (a) shall have a sticker affixed to the tank adjacent to the tank manufacturer's data plate which contains the tester's name, the tank identification number and the date of the test. The sticker shall be in a form prescribed by the Agency, and, for those delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987, shall have been displayed no later than December 31, 1987.
- c) The owner or operator of a delivery vessel shall:
 - 1) Maintain copies of any test required under subsection (a)(6) for a period of 3 years;
 - 2) Provide copies of these tests to the Agency upon request; and
 - 3) Provide annual test result certification to bulk gasoline plants and terminals where the delivery vessel is loaded.

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- d) Any delivery vessel which has undergone and passed a test in another state which has a USEPA-approved leak testing and certification program will satisfy the requirements of subsection (a). Delivery vessels must display a sticker, decal or stencil approved by the state where tested or comply with the requirements of subsection (b). All such stickers, decals or stencils shall have been displayed no later than December 31, 1987, for delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987.

Section 218.585 Gasoline Volatility Standards

- a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) during the regulatory control periods, which shall be July 1 to August 31 for retail outlets, wholesale purchaser-consumer facilities, and all other facilities.
- b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 9.5 psi (65.5 kPa) during the regulatory control period in 1990 and each year thereafter.
- c) The Reid vapor pressure of ethanol blend gasolines shall not exceed the limitations for gasoline set forth in subsection (b) by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.
- d) All sampling of gasoline required pursuant to the provisions of this section shall be conducted by one or more of the following approved methods or procedures which are incorporated by reference in Section 215.105.

- 1) For manual sampling, ASTM D4057;
- 2) For automatic sampling, ASTM D4177;

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- 3) Sampling procedures for fuel volatility, 40 CFR 80 Appendix D.
- e) The Reid vapor pressure of gasoline shall be measured in accordance with either test method ASTM D323 or a modification of ASTM D323 known as the "dry method" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 215.105. For gasoline - oxygenate blends which contain water-extractable oxygenates, the Reid vapor pressure shall be measured using the dry method test.
- f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code 215.105.
- g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.
- h) Each refiner or supplier that distributes gasoline or ethanol blends shall:
 - 1) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code 215.585(b) and (c). Any facility receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.

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- 2) Maintain records for a period of one year on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois. The Agency shall be provided with copies of such records if requested.

SUBPART Z: DRY CLEANERS

Section 218.601 Perchloroethylene Dry Cleaners

The owner or operator of a dry cleaning facility which uses perchloroethylene shall:

- a) Vent the entire dryer exhaust through a properly designed and functioning carbon adsorption system or equally effective control device; and
- b) Emit no more than 100 ppmv of VOM from the dryer control device before dilution, or achieve a 90 percent average reduction before dilution; and
- c) Immediately repair all components found to be leaking liquid VOM; and
- d) Cook or treat all diatomaceous earth filters so that the residue contains 25 kg (55 lb) or less of VOM per 100 kg (220 lb) of wet waste material; and
- e) Reduce the VOM from all solvent stills to 60 kg (132 lb) or less per 100 kg (220 lb) of wet waste material; and
- f) Drain all filtration cartridges in the filter housing or other sealed container for at least 24 hours before discarding the cartridges; and
- g) Dry all drained filtration cartridges in equipment connected to an emission reduction system or in a manner that will eliminate emission of VOM to the atmosphere.

Section 218.602 Exemptions

The provisions of Section 218.601 are not applicable to

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perchloroethylene dry cleaning operations which are coin-operated or to dry cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene.

Section 218.603 Leaks

The presence of leaks shall be determined for purposes of Section 218.601(c) by a visual inspection of the following: hose connections, unions, couplings and valves; machine door gaskets and seatings; filter head gasket and seating; pumps; base tanks and storage containers; water separators; filter sludge recovery; distillation unit; diverter valves; saturated lint from lint baskets; and cartridge filters.

Section 218.604 Compliance Dates

Every owner or operator of an emission source previously subject to 35 Ill. Adm. Code 215, Subpart Z, shall have complied with its standards and limitations in accordance with the applicable dates set forth in 35 Ill. Adm. Code 215.604.

Section 218.605 Compliance Plan

- a) The owner or operator of an emission source subject to this Subpart shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than, for Section 218.601(a) and (b), April 21, 1983.
 - b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.
 - c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.
- Section 218.606 Exception to Compliance Plan
- Coin-operated dry cleaning operations and dry cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene are not required to submit or obtain an Agency approved compliance plan or project completion schedule.

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Section 218.607 Standards for Petroleum Solvent Dry Cleaners

- a) The owner or operator of a petroleum solvent dry cleaning dryer shall either:
 - 1) Limit emissions of VOM to the atmosphere to an average of 3.5 kilograms of VOM per 100 kilograms dry weight of articles dry cleaned, or
 - 2) Install and operate a solvent recovery dryer in a manner such that the dryer remains closed and the recovery phase continues until a final solvent flow rate of 50 milliliters per minute is attained.
- b) The owner or operator of a petroleum solvent filtration system shall either:
 - 1) Reduce the VOM content in all filtration wastes to 1.0 kilogram or less per 100 kilograms dry weight of articles dry cleaned, before disposal, and exposure to the atmosphere, or
 - 2) Install and operate a cartridge filtration system, and drain the filter cartridges in their sealed housings for 8 hours or more before their removal.

Section 218.608 Operating Practices for Petroleum Solvent Dry Cleaners

In order to minimize fugitive solvent emissions, the owner or operator of a petroleum solvent dry cleaning facility shall employ good housekeeping practices including the following:

- a) General Housekeeping Requirements
 - 1) Equipment containing solvent (washers, dryers, extractors and filters) shall remain closed at all times except during load transfer and maintenance. Lint filter and button trap covers shall remain closed except when solvent-laden material is being removed.
 - 2) Cans, buckets, barrels and other containers of solvent or of solvent-laden material shall be covered except when in use.

- 3) Solvent-laden material shall be exposed to the atmosphere only for the minimum time necessary for load transfer.

b) Installation and operation of equipment:

- 1) All cartridge filters shall be enclosed and operated in accordance with the procedures and specifications recommended by the manufacturer for the cartridge filter. After installation, the cartridges shall be inspected, monitored and maintained in accordance with the manufacturer's recommendations; and
- 2) Vents on containers for new solvent and for solvent-containing waste shall be constructed and maintained so as to minimize solvent vapor emissions. Criteria for the minimization of solvent vapor emissions include the elimination of solvent buckets and barrels standing open to the atmosphere, and the repair of gaskets and seals that expose solvent-rich environments to the atmosphere, to be determined through visual inspection.

Section 218.609 Program for Inspection and Repair of Leaks

- a) The owner or operator of a petroleum solvent dry cleaning facility shall conduct the following visual inspections on a weekly basis:
 - 1) Washers, dryers, solvent filters, settling tanks, vacuum stills and containers and conveyors of petroleum solvent shall be inspected for visible leaks of solvent liquid.
 - 2) Pipes, hoses and fittings shall be inspected for active dripping or dampness.
 - 3) Pumps and filters shall be inspected for leaks around seals and access covers.
 - 4) Gaskets and seals shall be inspected for wear and defects.

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- b) Leaks of petroleum solvent liquid and vapors shall be repaired within three working days of detection, unless necessary replacement parts are not on site.
- 1) If necessary, repair parts shall be ordered within three working days of detection of the leak.
 - 2) The leak shall be repaired within three days of delivery of necessary parts.

Section 218.610 Testing and Monitoring

- a) Compliance with Sections 218.607(b)(2), 218.608 and 218.609 shall be determined by visual inspection; and
- b) Compliance with Sections 218.607(a)(2) and (b)(1) shall be determined by methods described in EPA-450/3-82-009 (1982) incorporated by reference in Section 218.112.
- c) If a control device is used to comply with Section 218.607(a)(1), then compliance shall be determined using 40 CFR 60 Appendix A, Method 25 (1984) incorporated by reference in Section 218.112.

Section 218.611 Exemption for Petroleum Solvent Dry Cleaners

The provisions of Sections 218.607 through 218.610 shall not apply to petroleum solvent dry cleaning facilities whose emissions of VOM do not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment or whose emissions of VOM, as limited by the operating permit, will not exceed 91 megagrams (100 tons) per year in the absence of pollution control equipment.

Section 218.612 Compliance Dates

Owners and operators of emission sources subject to 35 Ill. Adm. Code 215.607 through 215.609 as of December 31, 1987 shall have complied with the requirements set forth therein no later than December 31, 1987.

Section 218.613 Compliance Plan

- a) The owner or operator of an emission source subject to 35 Ill. Adm. Code 215.610(a) as of May 31, 1987 shall

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have submitted to the Agency a compliance plan, including a project completion schedule where applicable, no later than May 31, 1987.

- b) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.

SUBPART AA: PAINT AND INK MANUFACTURING

Section 218.620 Applicability

- a) This subpart shall apply to all paint and ink manufacturing plants which:

- 1) Include process emission sources not subject to Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part; and which as a group both:

A) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

B) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision, or

- 2) Produce more than 7,570,820 l (2,000,000 gal) per calendar year of paint or ink formulations, which contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Magie oil or glycol.

- b) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 218.621 Exemption for Waterbase Material and Heatset-Offset Ink

The requirements of Sections 218.624 and 218.625 and Section 218.628(a) shall not apply to equipment while it is being used to

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produce either:

- a) paint or ink formulations which contain 10 percent or more (by weight) water, or
- b) inks containing Magie oil and glycol as the primary solvent.

Section 218.623 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 218.624 Open-top Mills, Tanks, Vats or Vessels

No person shall operate an open-top mill, tank, vat or vessel with a volume of more than 45 l (12 gal) for the production of paint or ink unless:

- a) The mill, tank, vat or vessel is equipped with a cover which completely covers the mill, tank, vat or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft. Such cover shall extend at least 1.27 cm (0.5 in) beyond the outer rim of the opening or be attached to the rim.
- b) The cover remains closed except when production, sampling, maintenance or inspection procedures require access.
- c) The cover is maintained in good condition such that, when in place, it maintains contact with the rim of the opening for at least 90 percent of the circumference of the rim.

Section 218.625 Grinding Mills

- a) No person shall operate a grinding mill for the production of paint or ink which is not maintained in accordance with the manufacturer's specifications.
- b) No person shall operate a grinding mill fabricated or modified after the effective date of this Subpart which is not equipped with fully enclosed screens.

- c) The manufacturer's specifications shall be kept on file at the plant by the owner or operator of the grinding mill and be made available to any person upon verbal or written request during business hours.

Section 218.626 Storage Tanks

- a) The owner or operator shall equip tanks storing VOL with a vapor pressure greater than 10 kPa (1.5 psi) at 20°C (68°F) with pressure/vacuum conservation vents set as a minimum at +/-0.2 kPa (0.029 psi). These controls shall be operated at all times. An alternative air pollution control system may be used if it results in a greater emission reduction than these controls. Any alternative control system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.

- b) Stationary VOL storage containers with a capacity greater than 946 l (250 gal) shall be equipped with a submerged-fill pipe or bottom fill. These controls shall be operated at all times. An alternative control system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.628 Leaks

The owner or operator of a paint or ink manufacturing plant shall, for the purpose of detecting leaks, conduct an equipment monitoring program as set forth below:

- a) Each pump shall be checked by visual inspection each calendar week for indications of leaks, that is, liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, the pump shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.
- b) Any pump, valve, pressure relief valve, sampling connection, open-ended valve and flange or connector containing a fluid which is at least 10 percent VOM by weight which appears to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.

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c) A weather proof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected shall be attached to leaking equipment. The tag may be removed upon repair, that is, when the equipment is adjusted or otherwise altered to allow operation without leaking.

d) When a leak is detected, the owner or operator shall record the date of detection and repair and the record shall be retained at the plant for at least two years from the date of each detection or each repair attempt. The record shall be made available to any person upon verbal or written request during business hours.

Section 218.630 Clean Up

a) No person shall clean paint or ink manufacturing equipment with organic solvent unless the equipment being cleaned is completely covered or enclosed except for an opening no larger than necessary to allow safe clearance for proper operation of the cleaning equipment, considering the method and materials being used.

b) No person shall store organic wash solvent in other than closed containers, unless closed containers are demonstrated to be a safety hazard, or dispose of organic wash solvent in a manner such that more than 20 percent by weight is allowed to evaporate into the atmosphere.

Section 218.636 Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106.

Section 218.637 Recordkeeping and Reporting

a) Upon request by the Agency, the owner or operator of an emission source which claims to be exempt from the requirements of this Subpart shall submit records to the Agency within 30 calendar days from the date of the request which document that the emission source is in fact exempt from this Subpart. These records shall

include (but are not limited to) the percent water (by weight) in the paint or ink being produced and the quantity of Magie oil, glycol and other solvents in the ink being produced.

b) Every owner or operator of an emission source which is subject to the requirements of this Subpart shall maintain all records necessary to demonstrate compliance with those requirements at the facility for three years.

SUBPART BB: POLYSTYRENE PLANTS

Section 218.875 Applicability of Subpart BB

The provisions of this Subpart shall apply to polystyrene plants:

a) Which use continuous processes to manufacture polystyrene - polybutadiene co-polymer; and

b) Which fall within Standard Industrial Classification Group No. 282, Industry No. 2821, except that the manufacture of polystyrene resins need not be the primary manufacturing process at the plant.

Section 218.877 Emissions Limitation at Polystyrene Plants

No person shall cause or allow the emissions of VOM from the material recovery section to exceed 0.12 kg of Volatile Organic Material per 1000 kg of polystyrene resin produced.

Section 218.879 Compliance Date

Every owner and operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart BB, as of December 31, 1987, shall have complied with its standards and limitations by December 31, 1987.

Section 218.881 Compliance Plan

a) The owner or operator of an emission source formerly subject to the requirements of 35 Ill. Adm. Code 215 Subpart BB shall have submitted to the Agency a compliance plan in accordance with 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule on or before December 1, 1987.

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- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to this Subpart may operate the emission source according to the plan and schedule as submitted.
- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H and Section 218.883.

Section 218.883 Special Requirements for Compliance Plan

For sources subject to this Subpart, an approvable compliance plan shall include:

- a) A description of each process which is subject to an emissions limitation;
- b) Quantification of the emissions from each process;
- c) A description of the procedures and methods used to determine the emissions of VOM;
- d) A description of the methods which will be used to demonstrate compliance with the allowable plantwide emission limitation (Section 215.877), including a method of inventory, recordkeeping and emission calculation or measurement.

Section 218.886 Emissions Testing

- a) Upon a reasonable request by the Agency, the owner or operator of a polystyrene plant subject to this Subpart shall at his own expense demonstrate compliance by use of the following method: 40 CFR 60, Appendix A, Method 25 - Determination of Total Gaseous Non-Methane Organic Emissions as Carbon (1984), incorporated by reference in Section 218.112.
- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

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Section 218.920 Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous fabricated product manufacturing process emission sources which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous fabricated products manufacturing process emission source which was ever subject to the control requirements of Section 218.926.

- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such sources not complying with Section 218.926 does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- e) For the purposes of this Subpart, uncontrolled VOM

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emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 218.923 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 218.926 Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c):

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this Section are not required to comply with Section 218.301, or
- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.927 Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106.

Section 218.928 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.926, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

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- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES
Section 218.940 Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous formulation manufacturing process emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z of this Part if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP or FIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous formulation manufacturing process emission source which was ever subject to the control requirements of Section 218.946.

- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such sources not complying with this Section does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is

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subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 218.943 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 218.946 Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.947 Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 218.106.

Section 218.948 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.946, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

- b) Nothing in this Section shall limit the authority of

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the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section 218.960 Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous organic chemical manufacturing process emission sources which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z of this Part, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:
- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
 - 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous organic chemical manufacturing process emission source which was ever subject to the control requirements of Section 218.966.

- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such sources not complying with Section 218.966 does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission

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source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 218.963 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 218.966 Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.967

Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106.

Section 218.968

Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.966, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to

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require testing.

SUBPART TT: OTHER EMISSION SOURCES

Section 218.980 Applicability

- a) The requirements of this Subpart shall apply to a plant's VOM emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y, Z, AA, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 218.204(1)), H (excluding Section 218.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:
- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
 - 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to an emission source which was ever subject to the control requirements of Section 218.986.

- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such sources not complying with Section 218.986 does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or

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if the source is covered by an exemption.

- e) The control requirements in Subparts QQ, RR, SS and TT shall not apply to sewage treatment plants, vegetable oil processing plants, coke ovens (including by-product recovery plants), fuel combustion sources, bakeries, barge loading facilities, jet engine test cells, pharmaceutical manufacturing, production of polystyrene foam insulation board (including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant), production of polystyrene foam packaging (not including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant), and iron and steel production.

Section 218.983

Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 218.986

Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below.

- a) Emission capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 218.301, or
- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 218.987

Compliance Schedule

Every owner or operator of an emissions source which is subject

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to this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 218.106.

Section 218.988

Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 218.986, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.
- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART UU: RECORDKEEPING AND REPORTING FOR NON-CTG SOURCES

Section 218.990

Exempt Emission Sources

Upon request by the Agency, the owner or operator of an emission source which is exempt from the requirements of Subparts PP, QQ, RR, TT or Section 218.208(b) shall submit records to the Agency within 30 calendar days from the date of the request that document that the emission source is exempt from those requirements.

Section 218.991

Subject Emission Sources

- a) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:
- 1) By a date consistent with Section 218.106, or upon initial start-up of a new emission source, the owner or operator of the subject VOM emission source shall demonstrate to the Agency that the subject emission source will be in compliance on or after a date consistent with Section 218.106, and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.

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- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a subject VOM emission source shall collect and record all of the following information each day and maintain the information at the facility for a period of three years:

- A) Control device monitoring data.
- B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
- C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject VOM emission source shall notify the Agency in the following instances:

- A) Any record showing a violation of the requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b)(1). Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b).

- 4) A) When in the opinion of the Agency it is

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necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105.

- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

- b) Any owner or operator of a coating line which is subject to the requirements of Subpart PP or TT and complying by means of the daily-weighted average VOM content limitation shall comply with the following:

- 1) By a date consistent with Section 218.106, or upon initial start-up of a coating line subject to Subpart PP or TT, the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance on and after a date consistent with Section 218.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of the daily-weighted average VOM content limitation.
- B) The name and identification number of each coating as applied on each coating line.
- C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
- E) The method by which the owner or operator

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will create and maintain records each day as required in subsection (b)(2).

- F) An example of the format in which the records required in subsection (b)(2) will be kept.

- 2) On and after a date consistent with Section 218.106, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 218.104.

- 3) On and after a date consistent with Section 218.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of the requirements of Subpart pp or TT shall be reported by sending a copy of such record to the Agency and the USEPA within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart pp or TT from the use of complying coatings to the use capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a)(1). Upon changing the method of compliance with Subpart pp or TT from the use of complying

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coatings to the use capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a).

- c) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by means of an alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision shall comply with the recordkeeping and reporting requirements specified in the alternative control plan.

218. Appendix A List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing

CAS No. ^a

Chemical

105-57-7	Acetal
75-07-0	Acetaldehyde
107-89-1	Acetaldo
60-35-5	Acetamide
103-84-4	Acetanilide
64-19-7	Acetic acid
108-24-7	Acetic anhydride
67-64-1	Acetone
75-86-5	Acetone cyanohydrin
75-05-8	Acetonitrile
98-86-2	Acetophenone
75-36-5	Acetyl chloride
74-86-2	Acetylene
107-02-8	Acrolein
79-06-1	Acrylamide
79-10-7	Acrylic acid & esters
107-13-1	Acrylonitrile
124-04-9	Adipic acid
111-69-3	Adiponitrile
(b)	Alkyl naphthalenes
107-18-6	Allyl alcohol
107-05-1	Allyl chloride
1321-11-5	Aminobenzoic acid
111-41-1	Aminoethylethanolamine
123-30-8	p-aminophenol
628-63-7,	Amyl acetates
123-92-2	
71-41-0 ^c	Amyl alcohols

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110-58-7	Amyl amine
543-59-9	Amyl chloride
110-68-7 ^c	Amyl mercaptans
1322-06-1	Amyl phenol
62-53-3	Aniline
142-04-1	Aniline hydrochloride
29191-52-4	Anisidine
100-66-3	Anisole
118-92-3	Anthranilic acid
84-65-1	Anthraquinone
100-52-7	Benzaldehyde
55-21-0	Benzamide
71-43-2	Benzene
98-48-6	Benzenedisulfonic acid
98-11-3	Benzenesulfonic acid
134-81-6	Benzil
76-93-7	Benzilic acid
63-85-0	Benzoin acid
119-53-9	Benzoin
100-47-0	Benzonitrile
119-61-9	Benzophenone
98-07-7	Benzotrichloride
98-88-4	Benzoyl chloride
100-51-6	Benzyl alcohol
100-46-9	Benzylamine
120-51-4	Benzyl benzoate
100-44-7	Benzyl chloride
98-87-3	Benzyl dichloride
92-52-4	Biphenyl
80-05-7	Bisphenol A
10-86-1	Bromobenzene
27497-51-4	Bromonaphthalene
106-99-0	Butadiene
106-98-9	1-butene
123-86-4	n-butyl acetate
141-32-2	n-butyl acrylate
71-36-3	n-butyl alcohol
78-92-2	s-butyl alcohol
75-65-0	t-butyl alcohol
109-73-9	n-butylamine
13952-84-6	s-butylamine
75-64-9	t-butylamine
98-73-7	p-tert-butyl benzoic acid
107-88-0	1,3-butylene glycol
123-72-8	n-butyraldehyde
107-92-6	Butyric acid

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106-31-0	Butyric anhydride
109-74-0	Butyronitrile
105-60-2	Caprolactam
75-1-50	Carbon disulfide
558-13-4	Carbon tetrabromide
55-23-5	Carbon tetrachloride
9004-35-7	Cellulose acetate
79-11-8	Chloroacetic acid
108-42-9	m-chloroaniline
95-51-2	o-chloroaniline
106-47-8	p-chloroaniline
35913-09-8	Chlorobenzaldehyde
108-90-7	Chlorobenzene
118-91-2,	Chlorobenzoic acid
535-80-8,	
74-11-3 ^c	
2136-81-4,	Chlorobenzotrichloride
2136-89-2,	
5216-25-1 ^d	
1321-03-5	Chlorobenzoyl chloride
75-45-6	Chlorodifluoroethane
25497-29-4	Chlorodifluoromethane
67-66-3	Chloroform
25586-43-0	Chloronaphthalene
88-73-3	o-chloronitrobenzene
100-00-5	p-chloronitrobenzene
25167-80-0	Chlorophenols
126-99-8	Chloroprene
7790-94-5	Chlorosulfonic acid
108-41-8	m-chlorotoluene
95-49-8	o-chlorotoluene
106-43-4	p-chlorotoluene
75-72-9	Chlorotrifluoromethane
108-39-4	m-cresol
95-48-7	o-cresol
106-44-5	p-cresol
1319-77-3	Mixed cresols
1319-77-3	Cresylic acid
4170-30-0	Crotonaldehyde
3724-65-0	Crotonic acid
98-82-8	Cumene
80-15-9	Cumene hydroperoxide
372-09-8	Cyanoacetic acid
506-77-4	Cyanogen chloride
108-80-5	Cyanuric acid
108-77-0	Cyanuric chloride

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110-82-7
108-93-0
108-94-1
110-83-8
108-91-8
111-78-4
112-30-1
123-42-2
27576-04-1
95-76-1,
95-82-9,
554-00-7,
608-27-5,
608-31-1,
626-43-7,
27134-27-6,
57311-92-9^c
541-73-1
95-50-1
106-46-7
75-71-8
111-44-4
107-06-2
96-23-1
26952-23-8
101-83-7
109-89-7
111-46-6
112-36-7
111-96-6
112-34-5
124-17-7
111-90-0
112-15-2
111-77-3
64-67-5
75-37-6
25167-70-8
26761-40-0
27554-26-3
674-82-8
124-40-3
121-69-7
115-10-6
68-12-2
57-14-7

Cyclohexane
Cyclohexanol
Cyclohexanone
Cyclohexene
Cyclohexylamine
Cyclooctadiene
Decanol
Diacetone alcohol
Diaminobenzoic acid
Dichloroaniline

m-dichlorobenzene
o-dichlorobenzene
p-dichlorobenzene
Dichlorodifluoromethane
Dichloroethyl ether
1,2-dichloroethane (EDC)
Dichlorohydrin
Dichloropropene
Dicyclohexylamine
Diethylamine
Diethylene glycol
Diethylene glycol diethyl ether
Diethylene glycol dimethyl ether
Diethylene glycol monobutyl ether
Diethylene glycol mononbutyl ether acetate
Diethylene glycol monoethyl ether
Diethylene glycol monoethyl ether acetate
Diethyl sulfate
Difluoroethane
Diisobutylene
Diisodecyl phthalate
Diisooctyl phthalate
Diketene
Dimethylamine
N,N-dimethylaniline
N,N-dimethyl ether
N,N-dimethylformamide
Dimethylhydrazine

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77-78-1
75-18-3
67-68-5
120-61-6
99-34-3
51-28-5

123-91-1
646-06-0
122-39-4
101-84-4
102-08-9
25265-71-8
25378-22-7
28675-17-4
27193-86-8
106-89-8
64-17-5
141-43-5^c
141-78-6
141-97-9
140-88-5
75-04-7
100-41-4
74-96-4
9004-57-3
75-00-3
105-39-5
105-56-6
74-85-1
96-49-1
107-07-3
107-15-3
106-93-4
107-21-1
111-55-7
110-71-4
111-76-2
112-07-2
110-80-5
111-15-9
109-86-4
110-49-6
122-99-6
2807-30-9
75-21-8

Dimethyl sulfate
Dimethyl sulfide
Dimethyl sulfoxide
Dimethyl terephthalate
3,5-dinitrobenzoic acid
Dinitrophenol
Dinitrotoluene
Dioxane
Dioxilane
Diphenylamine
Diphenyl oxide
Diphenyl thiourea
Dipropylene glycol
Dodecene
Dodecylaniline
Dodecylphenol
Epichlorohydrin
Ethanol
Ethanamines
Ethyl acetate
Ethyl acetoacetate
Ethyl acrylate
Ethylamine
Ethylbenzene
Ethyl bromide
Ethylcellulose
Ethyl chloride
Ethyl chloroacetate
Ethylcyanoacetate
Ethylene
Ethylene carbonate
Ethylene chlorohydrin
Ethylenediamine
Ethylene dibromide
Ethylene glycol
Ethylene glycol diacetate
Ethylene glycol dimethyl ether
Ethylene glycol monobutyl ether
Ethylene glycol monobutyl ether acetate
Ethylene glycol monoethyl ether
Ethylene glycol monoethyl ether acetate
Ethylene glycol monomethyl ether
Ethylene glycol monophenyl ether
Ethylene glycol monopropyl ether
Ethylene oxide

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60-29-7	Ethyl ether
104-76-7	2-ethylhexanol
122-51-0	Ethyl orthoformate
95-92-1	Ethyl oxalate
41892-71-1	Ethyl sodium oxaloacetate
50-00-0	Formaldehyde
75-12-7	Formamide
64-18-6	Formic acid
110-17-8	Fumaric acid
98-01-1	Furfural
56-81-5	Glycerol (Synthetic)
26545-73-7	Glycerol dichlorohydrin
25791-96-2	Glycerol triether
56-40-6	Glycine
107-22-2	Glyoxal
118-74-1	Hexachlorobenzene
67-72-1	Hexachloroethane
36653-82-4	Hexadecyl alcohol
124-09-4	Hexamethylenediamine
629-11-8	Hexamethylene glycol
100-97-0	Hexamethylenetetramine
74-90-8	Hydrogen cyanide
123-31-9	Hydroquinone
99-96-7	p-hydroxybenzoic acid
26760-64-5	Isoamylene
78-83-1	Isobutanol
110-19-0	Isobutyl acetate
115-11-7	Isobutylene
78-84-2	Isobutyraldehyde
79-31-2	Isobutyric acid
25339-17-7	Isodecanol
26952-21-6	Isooctyl alcohol
78-78-4	Isopentane
78-59-1	Isophorone
121-91-5	Isophthalic acid
78-79-5	Isoprene
67-63-0	Isopropanol
108-21-4	Isopropyl acetate
75-31-0	Isopropylamine
75-29-6	Isopropyl chloride
25168-06-3	Isopropylphenol
463-51-4	Ketene
(b)	Linear alkyl sulfonate*
123-01-3	Linear alkylbenzene
110-16-7	Maleic acid
108-31-6	Maleic anhydride

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6915-15-7	Malic acid
141-79-7	Mesityl oxide
121-47-1	Metanilic acid
79-41-4	Methacrylic acid
563-47-3	Methallyl chloride
67-56-1	Methanol
79-20-9	Methyl acetate
105-45-3	Methyl acetoacetate
74-89-5	Methylamine
100-61-8	n-methylaniline
74-83-9	Methyl bromide
37365-71-2	Methyl butynol
74-87-3	Methyl chloride
108-87-2	Methyl cyclohexane
1331-22-2	Methyl cyclohexanone
75-09-2	Methylene chloride
101-77-9	Methylene dianiline
101-68-8	Methylene diphenyl diisocyanate
78-93-3	Methyl ethyl ketone
107-31-3	Methyl formate
108-11-2	Methyl isobutyl carbinol
108-10-1	Methyl isobutyl ketone
80-62-6	Methyl methacrylate
77-75-8	Methylpentynol
98-83-9	B-methylstyrene
110-91-8	Morpholine
85-47-2	a-naphthalene sulfonic acid
120-18-3	B-naphthalene sulfonic acid
90-15-3	a-naphthol
135-19-3	B-naphthol
75-98-9	Neopentanoic acid
88-74-4	o-nitroaniline
100-01-6	p-nitroaniline
91-23-6	o-nitroanisole
100-17-4	p-nitroanisole
98-95-3	Nitrobenzene
27178-83-2 ^c	Nitrobenzoic acid (o, m & p)
79-24-3	Nitroethane
75-52-5	Nitromethane
88-75-5	Nitrophenol
25322-01-4	Nitropropane
1321-12-6	Nitrotoluene
27215-95-8	Nonene
25154-52-3	Nonylphenol
27193-28-8	Octylphenol
123-63-7	Paraldehyde

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115-77-5 Pentaerythritol
 109-66-0 n-pentane
 109-67-1 1-pentene
 127-18-4 Perchloroethylene
 594-42-3 Perchloromethyl mercaptan
 94-70-2 o-phenetidine
 156-43-4 p-phenetidine
 108-95-2 Phenol
 98-67-9 Phenolsulfonic acids
 585-38-6,
 609-46-1,
 133-39-7^f
 91-40-7
 (b)
 75-44-5 Phenyl anthranilic acid
 85-44-9 Phenylenediamine
 85-41-6 Phthalic anhydride
 108-99-6 Phthalimide
 110-85-0 b-picoline
 9003-29-6,
 25036-29-7^c
 25322-68-3 Polybutenes
 25322-69-4 Polyethylene glycol
 123-38-6 Polypropylene glycol
 79-09-4 Propionaldehyde
 71-23-8 Propionic acid
 107-10-8 n-propyl alcohol
 540-54-5 Propylamine
 115-07-1 Propyl chloride
 127-00-4 Propylene
 78-87-5 propylene chlorohydrin
 57-55-6 Propylene dichloride
 75-56-9 Propylene glycol
 110-86-1 Propylene oxide
 106-51-4 Pyridine
 108-46-3 Quinone
 27138-57-4 Resorcinol
 69-72-7 Resorcylic acid
 127-09-3 Salicylic acid
 532-32-1 Sodium acetate
 9004-32-4 Sodium benzoate
 3926-62-3 Sodium carboxymethyl cellulose
 141-53-7 Sodium chloroacetate
 139-02-6 Sodium formate
 110-44-1 Sodium phenate
 100-42-5 Sorbic acid
 Styrene

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110-15-6 Succinic acid
 110-61-2 Succinitrile
 121-57-3 Sulfanilic acid
 126-33-0 Sulfolane
 1401-55-4 Tannic acid
 100-21-0 Terephthalic acid
 79-34-5^c Tetrachloroethanes
 117-08-8 Tetrachlorophthalic anhydride
 78-00-2 Tetraethyllead
 119-64-2 Tetrahydronaphthalene
 85-43-8 Tetrahydrophthalic anhydride
 75-74-1 Tetramethyllead
 110-60-1 Tetramethylenediamine
 110-18-9 Tetramethylethylenediamine
 108-88-3 Toluene
 95-80-7 Toluene-2,4-diamine
 584-84-9 Toluene-2,4-diisocyanate
 26471-62-5 Toluene diisocyanates (mixture)
 1333-07-9 Toluene sulfonamide
 104-15-4^c Toluenesulfonic acids
 98-59-9 Toluene sulfonyl chloride
 26915-12-8 Toluidines
 87-61-6, Trichlorobenzenes
 108-70-3,
 120-82-1^d
 71-55-6 1,1,1-trichloroethane
 79-00-5 1,1,2-trichloroethane
 79-01-6 Trichloroethylene
 75-69-4 Trichlorofluoromethane
 96-18-4 1,2,3-trichloropropane
 76-13-1 1,1,2-trichloro-1,2,2-trifluoroethane
 121-44-8 Triethylamine
 112-27-6 Triethylene glycol
 112-49-2 Triethylene glycoldimethyl ether
 7756-94-7 Triisobutylene
 75-50-3 Trimethylamine
 57-13-6 Urea
 108-05-4 Vinyl acetate
 75-01-4 Vinyl chloride
 75-35-4 Vinylidene chloride
 25013-15-4 Vinyl toluene
 1330-20-7 Xylenes (mixed)
 95-47-6 o-xylene
 106-42-3 p-xylene
 1300-71-6 Xylenol
 1300-73-8 Xylidine

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- (b)
9002-88-4
(b)
9009-53-6
- methyl tert-butyl ether
Polyethylene
Polypropylene
Polystyrene

- a) CAS numbers refer to the Chemical Abstracts Registry numbers assigned to specific chemicals, isomers or mixtures of chemicals. Some isomers or mixtures that are covered by the standards do not have CAS numbers assigned to them. The standards apply to all of the chemicals listed, whether CAS numbers have been assigned or not.
- b) No CAS number(s) have been assigned to this chemical, to its isomers, or mixtures containing these chemicals.
- c) CAS numbers for some of the isomers are listed: the standards apply to all of the isomers and mixtures, even if CAS numbers have not been assigned.

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218. Appendix B VOM Measurement Techniques for Capture Efficiency

Procedure G.1 - Captured VOC Emissions

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOC) content of captured gas streams. It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOC at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOC captured (G) is calculated as the sum of the products of the VOC content (C_{Gj}), the flow rate (Q_{Gj}), and the sample time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_{Gj} = 5.5$ percent and $C_{Gj} = 5.0$ percent. Based on these numbers, the probable uncertainty for G is estimated at about 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

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2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOC condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to cause a response in the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

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2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass

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fiber filter is recommended if exhaust gas particulate loading is present. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emission locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Conduct a system check according to the procedure in Section 5.3.

4.2.3 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the

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stack port connection.

4.2.4 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.5 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.6 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.7 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3. NOTE: This sample train shall be a separate sampling train from the one to measure the captured emissions.

4.3.3 Position the probe at the sampling location.

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4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.7.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift checks at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check

before and after each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i, ft^2 .

A_M = total area of all NDO's in the enclosure, ft^2 .

C_{gi} = corrected average VOC concentration of background emissions at point i, ppm propane.

C_g = average background concentration, ppm propane.

C_{gj} = corrected average VOC concentration of captured emissions at point j, ppm propane.

C_{pH} = average measured concentration for the drift check calibration gas, ppm propane.

C_{p0} = average system drift check concentration for zero concentration gas, ppm propane.

C_M = actual concentration of the drift check calibration gas, ppm propane.

C_i = uncorrected average background VOC concentration measured at point i, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

G = total VOC content of captured emissions, kg.

K_1 = $1.830 \times 10^{-6} \text{ kg}/(\text{m}^3\text{-ppm})$.

n = number of measurement points.

Q_{gj} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j, m^3/min .

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T_c = total duration of captured emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOC Captured Emissions.

$$G = \sum_{j=1}^n (C_{c,j} - C_b) Q_{c,j} T_c K_1 \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Captured Emissions at Point j.

$$C_{c,j} = (C_j - C_{p,0}) \frac{C_H}{C_{p,H} - C_{p,0}} \quad \text{Eq. 2}$$

7.3 Background VOC Concentration at Point i.

$$C_{b,i} = (C_i - C_{p,0}) \frac{C_H}{C_{p,H} - C_{p,0}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$C_b = \frac{\sum_{i=1}^n C_{b,i} A_i}{n A_n} \quad \text{Eq. 4}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms " A_i " and " A_n " may be deleted from Equation 4.

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Procedure G.2 - Captured VOC Emissions (Dilution Technique)

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOC) content of captured gas streams. It is intended to be used as a segment in the development of a gas/gas protocol in which fugitive emissions are measured for determining VOC capture efficiency (CE) for surface coating and printing operations. A dilution system is used to reduce the VOC concentration of the captured emission to about the same concentration as the fugitive emissions. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOC at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOC captured (G) is calculated as the sum of the products of the VOC content ($C_{c,j}$), the flow rate ($Q_{c,j}$), and the sampling time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_{c,j} = \pm 5.5$ percent and $C_{c,j} = \pm 5$ percent. Based on these numbers, the probable uncertainty for G is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described

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below:

2.1.1.1 Dilution System. A Kipp in-stack dilution probe and controller or similar device may be used. The dilution rate may be changed by substituting different critical orifices or adjustments of the aspirator supply pressure. The dilution system shall be heated to prevent VOC condensation. Note: An out-of-stack dilution device may be used.

2.1.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however,

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other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.1.7.4 Response Time. Less than 30 seconds.

2.1.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.1.9.2 Carrier Gas and Dilution Air Supply. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and

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high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.9.4 Dilution Check Gas. Gas mixture standard containing propane in air, approximately half the span value after dilution.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emissions locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

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4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Set the dilution ratio and determine the dilution factor according to the procedure in Section 5.3.

4.2.3 Conduct a system check according to the procedure in Section 5.4.

4.2.4 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.5 Inject zero gas at the calibration valve assembly. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.6 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.4. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.7 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.8 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDO's of the TTE. A sampling point shall be

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centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.4.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.8.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system after the dilution system and adjust the flow pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the diluted captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and

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calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift check at the end of each run.

5.3 Determination of Dilution Factor. Inject the dilution check gas into the measurement system before the dilution system and record the response. Calculate the dilution factor using Equation 3.

5.4 System Check. Inject the high range calibration gas at the inlet to the sampling probe while the dilution air is turned off. Record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.5 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i , ft^2 .

A_N = total area of all NDO's in the enclosure, ft^2 .

C_A = actual concentration of the dilution check gas, ppm propane.

$C_{g,i}$ = corrected average VOC concentration of background emissions at point i , ppm propane.

C_B = average background concentration, ppm propane.

$C_{D,H}$ = average measured concentration for the drift check calibration gas, ppm propane.

$C_{D,0}$ = average system drift check concentration for zero concentration gas, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

C_i = uncorrected average background VOC concentration

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measured at point i, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

C_M = measured concentration of the dilution check gas, ppm propane.

DF = dilution factor.

G = total VOC content of captured emissions, kg.

$K_1 = 1.830 \times 10^{-6}$ kg/(m³-ppm).

n = number of measurement points.

Q_{ej} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j, m³/min.

T_c = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOC Captured Emissions.

$$G = \sum_{j=1}^n C_{ej} Q_{ej} T_c K_1 \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Captured Emissions at Point j.

$$C_{ej} = DF (C_j - C_0) \frac{C_M}{C_0 H - C_0} \quad \text{Eq. 2}$$

7.3 Dilution Factor.

$$DF = \frac{C_A}{C_M} \quad \text{Eq. 3}$$

7.4 Background VOC Concentration at Point i.

$$C_{bi} = (C_i - C_0) \frac{C_M}{C_0 H - C_0} \quad \text{Eq. 4}$$

7.5 Average Background Concentration.

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$$C_B = \frac{\sum_{i=1}^n C_{bi} A_i}{n A_M} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_M" may be deleted from Equation 4.

Procedure F.2 - Fugitive VOC Emissions from Building Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOC) emissions from a building enclosure (BE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The total amount of fugitive VOC emissions (F_B) from the BE is calculated as the sum of the products of the VOC content (C_{fj}) of each fugitive emissions point, its flow rate (Q_{fj}), and time (T_f).

1.3 Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emissions point as follows: Q_{fj} = ±5.0 percent and C_{fj} = ±5.0 percent. Based on these numbers, the probable uncertainty for F_B is estimated at about ±11.2 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described

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below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOC condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

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2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

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2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Flow Direction Indicators. Any means of indicating inward or outward flow, such as light plastic film or paper streamers, smoke tubes, filaments, and sensory perception.

2.2.2 Method 2 or 2A Apparatus. For determining volumetric flow rate. Anemometers or similar devices calibrated according to the manufacturer's instructions may be used when low velocities are present. Vane anemometers (Young-maximum response propeller), specialized pitots with electronic manometers (e.g., Shortridge Instruments Inc., Airdata Multimeter 860) are commercially available with measurement thresholds of 15 and 8 fpm (50 and 25 fpm), respectively.

2.2.3 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.4 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Preliminary Determinations. The purpose of this exercise is to determine which exhaust points should be measured for volumetric flow rates and VOC concentrations.

3.1.1 Forced Draft Openings. Identify all forced draft openings. Determine the volumetric flow rate according to Method 2.

3.1.2 NDO's Exhaust Points. The NDO's in the roof of a facility are considered to be exhaust points. Determine volumetric flow rate from these NDO's. Divide the cross-sectional area according to Method 1 using 12 equal areas. Use the appropriate velocity measurement devices, e.g., propeller anemometers.

3.1.3 Other NDO's.

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3.1.3.1 This step is optional. Determine the exhaust flow rate, including that of the control device, from the enclosure and the intake air flow rate. If the exhaust flow rate divided by the intake air flow rate is greater than 1.1, then all other NDO's are not considered to be significant exhaust points.

3.1.3.2 If the option above is not taken, identify all other NDO's and other potential points through which fugitive emissions may escape the enclosure. Then use the following criteria to determine whether flow rates and VOC concentrations need to be measured:

3.1.3.2.1 Using the appropriate flow direction indicator, determine the flow direction. An NDO with zero or inward flow is not an exhaust point.

3.1.3.2.2 Measure the outward volumetric flow rate from the remainder of the NDO's. If the collective flow rate is 2 percent, or less, of the flow rate from Sections 3.1.1 and 3.1.2, then these NDO's, except those within two equivalent diameters (based on NDO opening) from VOC sources, may be considered to be non-exhaust points.

3.1.3.2.3 If the percentage calculated in Section 3.1.3.2.2 is greater than 2 percent, those NDO's (except those within two equivalent diameters from VOC sources) whose volumetric flow rate total 2 percent of the flow rate from Sections 3.1.1 and 3.1.2 may be considered as non-exhaust points. All remaining NDO's shall be measured for volumetric flow rate and VOC concentrations during the CE test.

3.1.3.2.4 The tester may choose to measure VOC concentrations at the forced exhaust points and the NDO's. If the total VOC emissions from the NDO's are less than 2 percent of the emissions from the forced draft and roof NDO's, then these NDO's may be eliminated from further consideration.

3.2 Determination of Flow Rates.

3.2.1 Measure the volumetric flow rate at all locations identified as exhaust points in Section 3.1. Divide each exhaust opening into 9 equal areas for rectangular openings and 8 for circular openings.

3.2.2 Measure the velocity at each site at least once every hour during each sampling run using Method 2 or 2A, if applicable, or

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using the low velocity instruments in Section 2.2.2.

4. DETERMINATION OF VOC CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emissions locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are 120 \pm 5°C.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point

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during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Alternative Procedure The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the linearity of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check

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before each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

C_0H = average measured concentration for the drift check calibration gas, ppm propane.

C_0O = average system drift check concentration for zero concentration gas, ppm propane.

C_fj = corrected average VOC concentration of fugitive emissions at point j, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

F_B = total VOC content of fugitive emissions from the building, kg.

K_1 = 1.830×10^{-6} kg/(m³-ppm).

n = number of measurement points.

Q_fj = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j, m³/min.

T_f = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOC Fugitive Emissions From the Building.

$$F_B = \sum_{j=1}^n C_fj Q_fj T_f K_1 \quad \text{Eq. 1}$$

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7.2 VOC Concentration of the Fugitive Emissions at Point j.

$$C_fj = (C_j - C_0O) \frac{C_H}{C_0H - C_0O} \quad \text{Eq. 2}$$

Procedure F.1 - Fugitive VOC Emissions from Temporary Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOC) emissions from a temporary total enclosure (TTE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of fugitive VOC emissions (F) from the TTE is calculated as the sum of the products of the VOC content (C_{fj}), the flow rate (Q_{fj}), and the sampling time (T_f) from each fugitive emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emission point as follows: Q_{fj} = ±5.5 percent and CF_i = ±5.0 percent. Based on these numbers, the probable uncertainty for F is estimated at about ±7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

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2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOC condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

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2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass

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fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

2.3 Temporary Total Enclosure. The criteria for designing a TTE are discussed in Procedure T.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Locate all points where emissions are exhausted from the TTE. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emission locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the

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stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Determination of VOC Background Concentration.

4.3.1.1 Locate all NDO's of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDO's, choose 6 sampling points evenly spaced among the NDO's.

4.3.1.2 Assemble the sample train as shown in Figure 2.

Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3.

4.3.1.3 Position the probe at the sampling location.

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- 4.3.1.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.3 to 4.2.6.
- 4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas concentration that most closely approximates that of the fugitive gas emissions to conduct the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

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5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

- A_i = area of NDO i , ft^2 .
- A_n = total area of all NDO's in the enclosure, ft^2 .
- $C_{g,i}$ = corrected average VOC concentration of background emissions at point i , ppm propane.
- C_g = average background concentration, ppm propane.
- $C_{g,H}$ = average measured concentration for the drift check calibration gas, ppm propane.
- $C_{p,0}$ = average system drift check concentration for zero concentration gas, ppm propane.
- $C_{p,j}$ = corrected average VOC concentration of fugitive emissions at point j , ppm propane.
- C_n = actual concentration of the drift check calibration gas, ppm propane.
- C_i = uncorrected average background VOC concentration at point i , ppm propane.
- C_j = uncorrected average VOC concentration measured at point j , ppm propane.
- F = total VOC content of fugitive emissions, kg.
- K_1 = $1.830 \times 10^{-6} \text{ kg}/(\text{m}^3\text{-ppm})$.
- n = number of measurement points.
- $Q_{p,j}$ = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j , m^3/min .
- T_f = total duration of fugitive emissions sampling run,

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min.

7. CALCULATIONS

7.1 Total VOC Fugitive Emissions.

$$F = \sum_{j=1}^n (C_f j - C_0) Q_f j T_f K_f \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Fugitive Emissions at Point j.

$$C_f j = (C_j - C_0) \frac{C_w}{C_0 H - C_0} \quad \text{Eq. 2}$$

7.3 Background VOC Concentration at Point i.

$$C_{B,i} = (C_i - C_0) \frac{C_w}{C_0 H - C_0} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$C_B = \frac{\sum_{i=1}^n C_{B,i} A_i}{n A_N} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms " A_i " and " A_N " may be deleted from Equation 4.

Procedure L - VOC Input

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the input of volatile organic compounds (VOC). It is intended to be used as a segment in the development of liquid/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of VOC introduced to the process (L) is the sum of the products of the weight (W) of each VOC containing liquid (ink, paint, solvent, etc.) used and its VOC content (V). A sample of each VOC containing liquid is analyzed with a flame ionization analyzer (FIA) to determine V.

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1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each VOC containing liquid as follows: $W = \pm 2.0$ percent and $V = \pm 12.0$ percent. Based on these numbers, the probable uncertainty for L is estimated at about ± 12.2 percent for each VOC containing liquid.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Liquid Weight.

2.1.1 Balances/Digital Scales. To weigh drums of VOC containing liquids to within 0.2 lb.

2.1.2 Volume Measurement Apparatus (Alternative). Volume meters, flow meters, density measurement equipment, etc., as needed to achieve same accuracy as direct weight measurements.

2.2 VOC Content (Flame Ionization Analyzer Technique). The liquid sample analysis system is shown in Figures 1 and 2. The following equipment is required:

2.2.1 Sample Collection Can. An appropriately sized metal can to be used to collect VOC containing materials. The can must be constructed in such a way that it can be grounded to the coating container.

2.2.2 Needle Valves. To control gas flow.

2.2.3 Regulators. For carrier gas and calibration gas cylinders.

2.2.4 Tubing. Teflon or stainless steel tubing with diameters and lengths determined by connection requirements of equipment. The tubing between the sample oven outlet and the FIA shall be

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heated to maintain a temperature of $120 \pm 5^\circ\text{C}$.

2.2.5 Atmospheric Vent. A tee and 0- to 0.5-liter/min rotameter placed in the sampling line between the carrier gas cylinder and the VOC sample vessel to release the excess carrier gas. A toggle valve placed between the tee and the rotameter facilitates leak tests of the analysis system.

2.2.6 Thermometer. Capable of measuring the temperature of the hot water bath to within 1°C .

2.2.7 Sample Oven. Heated enclosure, containing calibration gas coil heaters, critical orifice, aspirator, and other liquid sample analysis components, capable of maintaining a temperature of $120 \pm 5^\circ\text{C}$.

2.2.8 Gas Coil Heaters. Sufficient lengths of stainless steel or Teflon tubing to allow zero and calibration gases to be heated to the sample oven temperature before entering the critical orifice or aspirator.

2.2.9 Water Bath. Capable of heating and maintaining a sample vessel temperature of $100 \pm 5^\circ\text{C}$.

2.2.10 Analytical Balance. To measure ± 0.001 g.

2.2.11 Disposable Syringes. 2-cc or 5-cc.

2.2.12 Sample Vessel. Glass, 40-ml septum vial. A separate vessel is needed for each sample.

2.2.13 Rubber Stopper. Two-hole stopper to accommodate 3.2-mm (1/8-in.) Teflon tubing, appropriately sized to fit the opening of the sample vessel. The rubber stopper should be wrapped in Teflon tape to provide a tighter seal and to prevent any reaction of the sample with the rubber stopper. Alternatively, any leak-free closure fabricated of non-reactive materials and accommodating the necessary tubing fittings may be used.

2.2.14 Critical Orifices. Calibrated critical orifices capable of providing constant flow rates from 50 to 250 ml/min at known pressure drops. Sapphire orifice assemblies (available from O'Keefe Controls Company) and glass capillary tubing have been found to be adequate for this application.

2.2.15 Vacuum Gauge. 0- to 760-mm (0- to 30-in.) Hg U-Tube

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manometer or vacuum gauge.

2.2.16 Pressure Gauge. Bourdon gauge capable of measuring the maximum air pressure at the aspirator inlet (e.g., 100 psig).

2.2.17 Aspirator. A device capable of generating sufficient vacuum at the sample vessel to create critical flow through the calibrated orifice when sufficient air pressure is present at the aspirator inlet. The aspirator must also provide sufficient sample pressure to operate the FIA. The sample is also mixed with the dilution gas within the aspirator.

2.2.18 Soap Bubble Meter. Of an appropriate size to calibrate the critical orifices in the system.

2.2.19 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.2.19.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.2.19.2 Calibration Drift. Less than ± 3.0 percent of span value.

2.2.19.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.2.20 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.2.21 Chart Recorder (Optional). A chart recorder or similar device is recommended to provide a continuous analog display of the measurement results during the liquid sample analysis.

2.2.22 Calibration and Other Gases. For calibration, fuel, and combustion air (if required) contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the

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cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ±2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.2.22.1 Fuel. A 40 percent H₂/60 percent He or 40 percent H₂/60 percent N₂ gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.2.22.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane) or less than 0.1 percent of the span value, whichever is greater.

2.2.22.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.2.22.4 System Calibration Gas. Gas mixture standard containing propane in air, approximating the undiluted VOC concentration expected for the liquid samples.

3. DETERMINATION OF LIQUID INPUT WEIGHT

3.1 Weight Difference. Determine the amount of material introduced to the process as the weight difference of the feed material before and after each sampling run. In determining the total VOC containing liquid usage, account for: (a) the initial (beginning) VOC containing liquid mixture; (b) any solvent added during the test run; (c) any coating added during the test run; and (d) any residual VOC containing liquid mixture remaining at the end of the sample run.

3.1.1 Identify all points where VOC containing liquids are introduced to the process. To obtain an accurate measurement of VOC containing liquids, start with an empty fountain (if applicable). After completing the run, drain the liquid in the fountain back into the liquid drum (if possible), and weigh the drum again. Weigh the VOC containing liquids to ±0.5 percent of the total weight (full) or ±0.1 percent of the total weight of VOC containing liquid used during the sample run, whichever is

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less. If the residual liquid cannot be returned to the drum, drain the fountain into a preweighed empty drum to determine the final weight of the liquid.

3.1.2 If it is not possible to measure a single representative mixture, then weigh the various components separately (e.g., if solvent is added during the sampling run, weigh the solvent before it is added to the mixture). If a fresh drum of VOC containing liquid is needed during the run, then weigh both the empty drum and fresh drum.

3.2 Volume Measurement (Alternative). If direct weight measurements are not feasible, the tester may use volume meters and flow rate meters (and density measurements) to determine the weight of liquids used if it can be demonstrated that the technique produces results equivalent to the direct weight measurements. If a single representative mixture cannot be measured, measure the components separately.

4. DETERMINATION OF VOC CONTENT IN INPUT LIQUIDS

4.1 Collection of Liquid Samples.

4.1.1 Collect a 100-ml or larger sample of the VOC containing liquid mixture at each application location at the beginning and end of each test run. A separate sample should be taken of each VOC containing liquid added to the application mixture during the test run. If a fresh drum is needed during the sampling run, then obtain a sample from the fresh drum.

4.1.2 When collecting the sample, ground the sample container to the coating drum. Fill the sample container as close to the rim as possible to minimize the amount of headspace.

4.1.3 After the sample is collected, seal the container so the sample cannot leak out or evaporate.

4.1.4 Label the container to identify clearly the contents.

4.2 Liquid Sample VOC Content.

4.2.1 Assemble the liquid VOC content analysis system as shown in Figure 1.

4.2.2 Permanently identify all of the critical orifices that may

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be used. Calibrate each critical orifice under the expected operating conditions (i.e.; sample vacuum and temperature) against a volume meter as described in Section 5.3.

4.2.3 Label and tare the sample vessels (including the stoppers and caps) and the syringes.

4.2.4 Install an empty sample vessel and perform a leak test of the system. Close the carrier gas valve and atmospheric vent and evacuate the sample vessel to 250 mm (10 in.) Hg absolute or less using the aspirator. Close the toggle valve at the inlet to the aspirator and observe the vacuum for at least one minute. If there is any change in the sample pressure, release the vacuum, adjust or repair the apparatus as necessary and repeat the leak test.

4.2.5 Perform the analyzer calibration and linearity checks according to the procedure in Section 5.1. Record the responses to each of the calibration gases and the back-pressure setting of the FIA.

4.2.6 Establish the appropriate dilution ratio by adjusting the aspirator air supply or substituting critical orifices. Operate the aspirator at a vacuum of at least 25 mm (1 in.) Hg greater than the vacuum necessary to achieve critical flow. Select the dilution ratio so that the maximum response of the FIA to the sample does not exceed the high-range calibration gas.

4.2.7 Perform system calibration checks at two levels by introducing compressed gases at the inlet to the sample vessel while the aspirator and dilution devices are operating. Perform these checks using the carrier gas (zero concentration) and the system calibration gas. If the response to the carrier gas exceeds 0.5 percent of span, clean or repair the apparatus and repeat the check. Adjust the dilution ratio as necessary to achieve the correct response to the upscale check, but do not adjust the analyzer calibration. Record the identification of the orifice, aspirator air supply pressure, FIA back-pressure, and the responses of the FIA to the carrier and system calibration gases.

4.2.8 After completing the above checks, inject the system calibration gas for approximately 10 minutes. Time the exact duration of the gas injection using a stopwatch. Determine the area under the FIA response curve and calculate the system response factor based on the sample gas flow rate, gas

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concentration, and the duration of the injection as compared to the integrated response using Equations 2 and 3.

4.2.9 Verify that the sample oven and sample line temperatures are 120 \pm 5°C and that the water bath temperature is 100 \pm 5°C.

4.2.10 Fill a tared syringe with approximately 1 g of the VOC containing liquid and weigh it. Transfer the liquid to a tared sample vessel. Plug the sample vessel to minimize sample loss. Weigh the sample vessel containing the liquid to determine the amount of sample actually received. Also, as a quality control check, weigh the empty syringe to determine the amount of material delivered. The two coating sample weights should agree within \pm 0.02 g. If not, repeat the procedure until an acceptable sample is obtained.

4.2.11 Connect the vessel to the analysis system. Adjust the aspirator supply pressure to the correct value. Open the valve on the carrier gas supply to the sample vessel and adjust it to provide a slight excess flow to the atmospheric vent. As soon as the initial response of the FIA begins to decrease, immerse the sample vessel in the water bath. (Applying heat to the sample vessel too soon may cause the FID response to exceed the calibrated range of the instrument, and thus invalidate the analysis.)

4.2.12 Continuously measure and record the response of the FIA until all of the volatile material has been evaporated from the sample and the instrument response has returned to the baseline (i.e., response less than 0.5 percent of the span value). Observe the aspirator supply pressure, FIA back-pressure, atmospheric vent, and other system operating parameters during the run; repeat the analysis procedure if any of these parameters deviate from the values established during the system calibration checks in Section 4.2.7. After each sample perform the drift check described in Section 5.2. If the drift check results are acceptable, calculate the VOC content of the sample using the equations in Section 7. Integrate the area under the FIA response curve, determine the average concentration response and the duration of sample analysis.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended

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by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. After each sample, repeat the system calibration checks in Section 4.2.7 before any adjustments to the FIA or measurement system are made. If the zero or calibration drift exceeds $\frac{1}{3}$ percent of the span value, discard the result and repeat the analysis.

5.3 Critical Orifice Calibration.

5.3.1 Each critical orifice must be calibrated at the specific operating conditions that it will be used. Therefore, assemble all components of the liquid sample analysis system as shown in Figure 3. A stopwatch is also required.

5.3.2 Turn on the sample oven, sample line, and water bath heaters and allow the system to reach the proper operating temperature. Adjust the aspirator to a vacuum of 380 mm (15 in.) Hg vacuum. Measure the time required for one soap bubble to move a known distance and record barometric pressure.

5.3.3 Repeat the calibration procedure at a vacuum of 406 mm (16 in.) Hg and at 25-mm (1-in.) Hg intervals until three consecutive determinations provide the same flow rate. Calculate the critical flow rate for the orifice in ml/min at standard conditions. Record the vacuum necessary to achieve critical flow.

6. NOMENCLATURE

A_L = area under the response curve of the liquid sample, area count.

A_s = area under the response curve of the calibration

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gas, area count.

C_s = actual concentration of system calibration gas, ppm propane.

K = 1.830×10^{-9} g/(ml-ppm).

L = total VOC content of liquid input, kg.

M_l = mass of liquid sample delivered to the sample vessel, g.

q = flow rate through critical orifice, ml/min.

RF = liquid analysis system response factor, g/area count.

T_s = total gas injection time for system calibration gas during integrator calibration, min.

V_fj = final VOC fraction of VOC containing liquid j .

V_{ij} = initial VOC fraction of VOC containing liquid j .

V_{Aj} = VOC fraction of VOC containing liquid j added during the run.

V = VOC fraction of liquid sample.

W_{fj} = weight of VOC containing liquid j remaining at end of the run, kg.

W_{ij} = weight of VOC containing liquid j at beginning of the run, kg.

W_{Aj} = weight of VOC containing liquid j added during the run, kg.

7. CALCULATIONS

7.1 Total VOC Content of the Input VOC Containing Liquid.

$$L = \sum_{j=1}^n V_{fj} W_{fj} - \sum_{j=1}^n V_{ij} W_{ij} + \sum_{j=1}^n V_{Aj} W_{Aj} \quad \text{Eq. 1}$$

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7.2 Liquid Sample Analysis System Response Factor for Systems Using Integrators, Grams/Area Counts.

$$RF = \frac{C_s \ q \ T_s \ K}{A_s}$$

Eq. 2

7.13 VOC Content of the Liquid Sample.

$$V = \frac{A_l \ RF}{M_l}$$

Eq. 3

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Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure

1. INTRODUCTION

1.1 Applicability. This procedure is used to determine whether a permanent or temporary enclosure meets the criteria of a total enclosure.

1.2 Principle. An enclosure is evaluated against a set of criteria. If the criteria are met and if all the exhaust gases are ducted to a control device, then the volatile organic compounds (VOC) capture efficiency (CE) is assumed to be 100 percent and CE need not be measured. However, if part of the exhaust gas stream is not ducted to a control device, CE must be determined.

2. DEFINITIONS

2.1 Natural Draft Opening (NDO) -- Any permanent opening in the enclosure that remains open during operation of the facility and is not connected to a duct in which a fan is installed.

2.2 Permanent Total Enclosure (PTE) -- A permanently installed enclosure that completely surrounds a source of emissions such that all VOC emissions are captured and contained for discharge through a control device.

2.3 Temporary Total Enclosure (TTE) -- A temporarily installed enclosure that completely surrounds a source of emissions such that all VOC emissions are captured and contained for discharge through ducts that allow for the accurate measurement of VOC rates.

3. CRITERIA OF A TEMPORARY TOTAL ENCLOSURE

3.1 Any NDO shall be at least 4 equivalent opening diameters from each VOC emitting point.

3.2 Any exhaust point from the enclosure shall be at least 4 equivalent duct or hood diameters from each NDO.

3.3 The total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and

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ceiling.

3.4 The average facial velocity (FV) of air through all NDO's shall be at least 3,600 m/hr (200 fpm). The direction of air through all NDO's shall be into the enclosure.

3.5 All access doors and windows whose areas are not included in Section 3.3 and are not included in the calculation in Section 3.4 shall be closed during routine operation of the process.

4. CRITERIA OF A PERMANENT TOTAL ENCLOSURE

4.1 Same as Sections 3.1 and 3.3 - 3.5.

4.2 All VOC emissions must be captured and contained for discharge through a control device.

5. PROCEDURE

5.1 Determine the equivalent diameters of the NDO's and determine the distances from each VOC emitting point to all NDO's. Determine the equivalent diameter of each exhaust duct or hood and its distance to all NDO's. Calculate the distances in terms of equivalent diameters. The number of equivalent diameters shall be at least 4.

5.2 Measure the total area (A_t) of the enclosure and the total area (A_n) of all NDO's of the enclosure. Calculate the NDO to enclosure area ratio (NEAR) as follows:

$$\text{NEAR} = A_n/A_t$$

The NEAR must be < 0.05 .

5.3 Measure the volumetric flow rate, corrected to standard conditions, of each gas stream exiting the enclosure through an exhaust duct or hood using EPA Method 2. In some cases (e.g., when the building is the enclosure), it may be necessary to measure the volumetric flow rate, corrected to standard conditions, of each gas stream entering the enclosure through a forced makeup air duct using Method 2. Calculate FV using the following equation:

$$\text{FV} = [Q_0 - Q_1] / A_n$$

where:

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Q_0 = the sum of the volumetric flow from all gas streams exiting the enclosure through an exhaust duct or hood.

Q_1 = the sum of the volumetric flow from all gas streams into the enclosure through a forced makeup air duct; zero, if there is no forced makeup air into the enclosure.

A_n = total area of all NDO's in enclosure.

The FV shall be at least 3,600 m/hr (200 fpm).

5.4 Verify that the direction of air flow through all NDO's is inward. Use streamers, smoke tubes, tracer gases, etc. Strips of plastic wrapping film have been found to be effective. Monitor the direction of air flow at intervals of at least 10 minutes for at least 1 hour.

6. QUALITY ASSURANCE

6.1 The success of this protocol lies in designing the TTE to simulate the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility or the amount of fugitive VOC emissions should be minimal. The TTE must enclose the application stations, coating reservoirs, and all areas from the application station to the oven. The oven does not have to be enclosed if it is under negative pressure. The NDOs of the temporary enclosure and a fugitive exhaust fan must be properly sized and placed.

6.2. Estimate the ventilation rate of the TTE that best simulates the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility or the amount of fugitive VOC emissions should be minimal. Figure 1 may be used as an aid. Measure the concentration (C_0) and flow rate (Q_0) of the captured gas stream, specify a safe concentration (C_1) for the fugitive gas stream, estimate the CE, and then use the plot in Figure 1 to determine the volumetric flowrate of the fugitive gas stream (Q_f). A fugitive VOC emission exhaust fan that has a variable flow control is desirable.

6.2.1 Monitor the concentration of VOC into the capture device without the TTE. To minimize the effect of temporal variation on

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the captured emissions, the baseline measurement should be made over as long a time period as practical. However, the process conditions must be the same for the measurement in Section 6.2.3 as they are for this baseline measurement. This may require short measuring times for this quality control check before and after the construction of the TTE.

6.2.2 After the TTE is constructed, monitor the VOC concentration inside the TTE. This concentration shall not continue to increase and must not exceed the safe level according to OSHA requirements for permissible exposure limits. An increase in VOC concentration indicates poor TTE design or poor capture efficiency.

6.2.3 Monitor the concentration of VOC into the capture device with the TTE. To limit the effect of the TTE on the process, the VOC concentration with and without the TTE must be within 10 percent. If the measurements do not agree, adjust the ventilation rate from the TTE until they agree within 10 percent.

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218. Appendix C Reference Methods and Procedures

Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- a) Determination of VOC destruction efficiency for evaluating compliance with the 98 weight percent VOC reduction or 20 ppmv emission limit specified in Sections 215.520 through 215.527; and
- b) Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section 215.105.

VOC DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections 215.520 through 215.527.

- a) Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.
- b) Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.
- c) Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.
- d) Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

TRE DETERMINATION

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The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.

- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211.122, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.
- b) The molar composition of the vent stream shall be determined using the following methods:
 - 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
 - 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105, to measure the concentration of carbon monoxide and hydrogen.
 - 3) Reference Method 4 to measure the content of water vapor, if necessary.
- c) The volumetric flowrate shall be determined using Reference

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Method 2, 2A, 2C or 2D, as appropriate.

- d) The net heating value of the vent stream shall be calculated using the following equation:

$$H = K \sum_{i=1}^n C_i H_i$$

where:

H = Net heating value of the sample, MJ/scm, where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of F (vent stream flowrate) below

K = Constant, 1.740×10^{-7} (1/ppm) (mole/scm)(MJ/kcal) where standard temperature for mole/scm is 20°C

C_i = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105

H_i = Net heat of combustion of sample component i, kcal/mole based on combustion at 25°C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D2382-76, incorporated by reference in Section 215.105

- e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = K \sum_{i=1}^n F C_i M_i$$

where:

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- E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr
- K = Constant 2.494×10^{-6} (l/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20°C
- Mi = Molecular weight of sample component i (g/mole)
- F = Vent stream flowrate (scm/min), at a standard temperature of 20°C

f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

218.Appendix D Coefficients for the Total Resource Effectiveness Index (TRE) Equation

This Appendix contains values for the total resource effectiveness index (TRE) equation in Subpart V.

If a flow rate falls exactly on the boundary between the indicated ranges, the operator shall use the row in which the flow rate is maximum.

COEFFICIENTS FOR TRE EQUATION

FOR CHLORINATED PROCESS VENT STREAMS WITH NET HEATING VALUE LESS THAN OR EQUAL TO 3.5 MJ/scm

FLOW RATE (scm/min)							
Min. Max.		a	b	c	d	e	f
0.0	13.5	48.73	0.	0.404	-0.1632	0.	0.
13.5700.		42.35	0.624	0.404	-0.1632	0.	0.0245
700.1400.		84.38	0.678	0.404	-0.1632	0.	0.0346
1400.2100.		126.41	0.712	0.404	-0.1632	0.	0.0424
2100.2800.		168.44	0.747	0.404	-0.1632	0.	0.0490
2800.3500.		210.47	0.758	0.404	-0.1632	0.	0.0548

COEFFICIENTS FOR TRE EQUATION

FOR CHLORINATED PROCESS VENT STREAMS WITH NET HEATING VALUE GREATER THAN 3.5 MJ/scm

FLOW RATE (scm/min)							
Min. Max.		a	b	c	d	e	f
0.	13.5	47.76	0.	-0.292	0.	0.	0.
13.5700.		41.58	0.605	-0.292	0.	0.	0.0245
700.1400.		82.84	0.658	-0.292	0.	0.	0.0346
1400.2100.		123.10	0.691	-0.292	0.	0.	0.0424
2100.2800.		165.36	0.715	-0.292	0.	0.	0.0490
2800.3500.		206.62	0.734	-0.292	0.	0.	0.0548

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COEFFICIENTS FOR TRE EQUATION
FOR NONCHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE LESS THAN
OR EQUAL TO 0.48 MJ/scm

FLOW RATE (scm/min)						
Min. Max.						
a	b	c	d	e	f	
0. 13.5	19.05	0. 0.113	-0.214	0.	0.	
13.51350.	16.61	0.239 0.113	-0.214	0.	0.0245	
1350.2700.	32.91	0.260 0.113	-0.214	0.	0.0346	
2700.4050.	49.21	0.273 0.113	-0.214	0.	0.0424	

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED
PROCESS VENT STREAMS WITH NET HEATING VALUE
GREATER THAN 0.48 AND LESS THAN OR
EQUAL TO 1.9 MJ/scm

FLOW RATE (scm/min)						
Min. Max.						
a	b	c	d	e	f	
0. 13.5	19.74	0. 0.400	-0.202	0.	0.	
13.51350.	18.30	0.138 0.400	-0.202	0.	0.0245	
1350.2700.	36.28	0.150 0.400	-0.202	0.	0.0346	
2700.4050.	54.26	0.158 0.400	-0.202	0.	0.0424	

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COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED
PROCESS VENT STREAMS WITH NET HEATING VALUE
GREATER THAN 1.9 AND LESS THAN OR
EQUAL TO 3.6 MJ/scm

FLOW RATE (scm/min)						
Min. Max.						
a	b	c	d	e	f	
0. 13.5	15.24	0. 0.033	0.	0.	0.	
13.51190.	13.63	0.157 0.033	0.	0.	0.0245	
1190.2380.	26.95	0.171 0.033	0.	0.	0.0346	
2380.3570.	40.27	0.179 0.033	0.	0.	0.0424	

COEFFICIENTS FOR TRE EQUATION
FOR NONCHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE GREATER THAN 3.6 MG/scm

FLOW RATE (scm/min)						
Min. Max.						
a	b	c	d	e	f	
0. 13.5	15.24	0. 0.	0.0090	0.	0.	
13.51190.	13.63	0. 0.	0.0090	0.0503	0.0245	
1190.2380.	26.95	0. 0.	0.0090	0.0546	0.0346	
2380.3570.	40.27	0. 0.	0.0090	0.0573	0.0424	

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- 1) The Heading of the Part: Organic Material Emission Standards and Limitations for the Metro-East Area

- 2) Code Citation: 35 Ill. Adm. Code 219

- 3) Section Number: Adopted Action:

219.100	new section
219.101	new section
219.102	new section
219.103	new section
219.104	new section
219.105	new section
219.106	new section
219.107	new section
219.108	new section
219.109	new section
219.110	new section
219.111	new section
219.112	new section
219.121	new section
219.122	new section
219.123	new section
219.124	new section
219.125	new section
219.126	new section
219.141	new section
219.142	new section
219.143	new section
219.144	new section
219.181	new section
219.182	new section
219.183	new section
219.184	new section
219.185	new section
219.186	new section
219.204	new section
219.205	new section
219.206	new section
219.207	new section
219.208	new section
219.209	new section
219.210	new section
219.211	new section
219.301	new section
219.302	new section

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219.303	new section
219.304	new section
219.401	new section
219.402	new section
219.403	new section
219.404	new section
219.405	new section
219.421	new section
219.422	new section
219.423	new section
219.424	new section
219.425	new section
219.426	new section
219.427	new section
219.428	new section
219.429	new section
219.430	new section
219.441	new section
219.442	new section
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219.451	new section
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219.453	new section
219.461	new section
219.462	new section
219.463	new section
219.464	new section
219.465	new section
219.466	new section
219.480	new section
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219.486	new section
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219.488	new section
219.489	new section

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219.521 new section
219.525 new section
219.526 new section
219.527 new section
219.541 new section
219.561 new section
219.562 new section
219.563 new section
219.581 new section
219.582 new section
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219.628 new section
219.630 new section
219.636 new section
219.637 new section
219.875 new section
219.877 new section
219.879 new section
219.881 new section
219.883 new section
219.886 new section
219.920 new section
219.923 new section
219.926 new section
219.927 new section

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219.928 new section
219.940 new section
219.943 new section
219.946 new section
219.947 new section
219.948 new section
219.960 new section
219.963 new section
219.966 new section
219.967 new section
219.968 new section
219.980 new section
219.983 new section
219.986 new section
219.987 new section
219.988 new section
219.990 new section
219.991 new section
Appendix A new section
Appendix B new section
Appendix C new section
Appendix D new section

- 4) Statutory Authority: Ill. Rev. Stat. 1989, ch. 111 $\frac{1}{2}$, pars. 1010, 1027, and 1028.2.
- 5) Effective Date of Rule(s) (Amendments, Repealer): August 16, 1991
- 6) Does this rulemaking contain an automatic repeal date?: No.
If so, please specify date: _____
- 7) Does this rule (amendment, repealer) contain incorporations by reference? Yes.
If "yes," is a copy of the approval form issued by JCAR attached to this rulemaking? Yes.
- 8) Date filed in agency's principal office: July 25, 1991
- 9) Notice(s) of proposal published in Illinois Register: 15 Ill. Reg. 3892, March 15, 1991.

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- 10) Has JCAR issued a Statement of Objection to this (these) rule(s)? If answer is "yes," please complete the following:

JCAR did not issue a statement of objection.

- 11) Difference(s) between proposal and final version:

Substantive changes to the proposed rules are indicated by strike-throughs and underlining. The Board also made several non-substantive changes, such as typographical and grammatical corrections.

Section 219.103 Applicability

The provisions of this Part shall apply to all sources located in Madison, Monroe, and St. Clair Counties.

- a) ~~The provisions of this Part shall become effective sixty days after a final decision by the federal appellate court of the general appeal (Illinois Environmental Regulatory Group v. USEPA, No. 90-2778 (and consolidated cases) (7th Cir.)) of the federal implementation plan (FIP) for the Chicago area promulgated by the U.S. Environmental Protection Agency (55 Fed. Reg. 26184, June 29, 1990; 55 Fed. Reg. 31981, August 6, 1990; 55 Fed. Reg. 39774, September 28, 1990), provided, however, that if a provision of the FIP is voided or made ineffective by a federal court, the corresponding provision in this proceeding shall not become effective.~~

- b) ~~The provisions of this Part specifically applicable to each appellant who appealed the FIP for the Chicago area shall become effective sixty days after a final decision of that appellant's appeal by the federal appellate court, provided, however, that if the provisions of the FIP applicable to that party are voided or made ineffective by a federal court, the corresponding provisions in this proceeding shall not become effective.~~

Section 219.104

Definitions

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically

could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity or maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of any such limitations. Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a "rolling limit" shall be employed. Any production or capacity limitations shall be verified through appropriate recordkeeping.

(Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a monthly basis; that is, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitation and added to the eleven prior monthly levels for monthly comparison with the annual limit.

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- 1) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission source which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specific in this Part.

- 2) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.106 Compliance Dates

- a) ~~Compliance with the requirements of all rules is required by May 1, 1992, or sixty days after a final decision by a federal court of the general appeal of the FIP (Illinois Environmental Regulatory Group v. USEPA, No. 90-2778 (and consolidated cases) (7th Cir.)), whichever is later, consistent with the provisions of Section 219.103.~~

- b) ~~Compliance with the requirements of provisions of this Part specifically applicable to a category of sources which is the same as any of the individual appeals of the FIP shall be required by May 1, 1992, or sixty days following a final decision by a federal court of the appeal of the FIP impacting the specific category of sources, whichever is later, consistent with the provisions of Section 219.103.~~

Compliance with the requirements of this Part is required by May 15, 1992, consistent with the provisions of Section 219.103.

Section 219.928

Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 219.926 by using the applicable test methods and procedures specified in Section 219.105.~~

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.926, the owner or operator of a VOM emission source

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subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.948 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 219.946 by using the applicable test methods and procedures specified in Section 219.105.~~

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.946, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.968 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 219.966 by using the applicable test methods and procedures specified in Section 219.105.~~

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.966, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.980 Applicability

- a) The requirements of this Subpart shall apply to a plant's VOM emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y, Z, AA, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146. If the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(1)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.

Section 219.988 Testing

~~Any owner or operator of a VOM emission source which is subject to this Subpart shall demonstrate compliance with Section 219.986 by using the applicable test methods and procedures specified in Section 219.105.~~

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.986, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- b) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.991 Subject Emission Sources

- a) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:
- 1) By a date consistent with Section 219.106, or upon initial start-up of a new emission source, the owner or operator of the subject VOM emission source shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate to the Agency that the subject emission source will be in compliance on and after a date consistent with Section 219.106, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.
 - 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a subject VOM emission source shall collect and record all of the following information each day and maintain the information at the facility for a period of three years:
 - A) Control device monitoring data.
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
 - 3) On and after a date consistent with Section 219.106, the owner or operator of a subject VOM emission source shall notify the Agency in the following instances:
 - A) Any record showing a violation of the

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requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b)(1). Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b).

- 4) A) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

All changes have been made.

- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No.

- 14) Are there any amendments pending on this Part? No.

- 15) Summary and Purpose of Rule(s):

The rules (docket R91-8) are designed to control organic material emissions, in an effort to reduce the formation of

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the pollutant ozone in the atmosphere. The rules correct deficiencies in Illinois' state implementation plan (SIP) for ozone in the Metro-East area, and require the implementation of reasonably available control technology (RACT) for certain sources of volatile organic material (VOM). This rulemaking is required by the federal Clean Air Act Amendments of 1990.

- 16) Information and questions regarding this adopted rule shall be directed to:

Elizabeth Schroer Harvey
Illinois Pollution Control Board
100 W. Randolph Street
Suite 11-500
Chicago, IL 60601

312/814-6921

The full text of the adopted rule(s) begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE B: AIR POLLUTION

CHAPTER I: POLLUTION CONTROL BOARD

UBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 219

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS
FOR THE METRO EAST AREA

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AUTHORITY: Implementing Section 10 and authorized by Section
 28.2 of the Environmental Protection Act (Ill. Rev. Stat. 1989,
 ch. 111 1/2, pars. 1010 and 1028.2).

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective
 August 16, 1991.

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Section 219.100 Introduction

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- a) This Part contains standards and limitations for emissions of organic material from stationary sources located in the Metro East area, which is comprised of Madison, Monroe, and St. Clair Counties.
- b) Sources subject to this Part may be subject to the following:
- 1) Permits required under 35 Ill. Adm. Code 201;
 - 2) Air quality standards under 35 Ill. Adm. Code 243;
- c) This Part is divided into Subparts which are grouped as follows:
- 1) Subpart A: General Provisions
 - 2) Subparts B-F: Emissions from equipment and operations in common to more than one industry;
 - 3) Subpart G: Emissions from use of organic material;
 - 4) Subparts H-end: Special rules for various industry groups.

Section 219.101 Cleanup and Disposal Operation

Emission of organic material released during clean-up operations and disposal shall be included with other emissions of organic material from the related emission source or air pollution control equipment in determining total emissions.

Section 219.102 Abbreviations and Conversion Factors

- a) The following abbreviations are used in this Part:

ASTM American Society for Testing and Materials
bbl barrels (42 gallons)
°C degrees Celsius or centigrade
cm centimeters
cu in cubic inches
°F degrees Fahrenheit
FIP Federal Implementation Plan
ft feet
ft² square feet

g grams
gpm gallons per minute
g/mole grams per mole
gal gallons
hr hours
in inches
°K degrees Kelvin
kcal kilocalories
kg kilograms
kg/hr kilograms per hour
kPa kilopascals; one thousand newtons per square meter
l liters
l/sec liters per second
lbs pounds
lbs/hr pounds per hour
lbs/gal pounds per gallon
LEL lower explosive limit
m² meters
m³ square meters
m³ cubic meters
mg milligrams
Mg Megagrams, metric tons or tonnes
ml milliliters
min minutes
MJ megajoules
mm Hg millimeters of mercury
NDO Natural Draft Opening
ppm parts per million
ppmv parts per million by volume
psi pounds per square inch
psia pounds per square inch absolute
psig pounds per square inch gauge
scf standard cubic feet
scm standard cubic meters
sec seconds
SIP State Implementation Plan
TTE temporary total enclosure
sq cm square centimeters
sq in square inches
T English ton
ton English ton
USEPA United States Environmental Protection Agency
VOC volatile organic compounds
VOL volatile organic liquids

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VOM volatile organic materials

- b) The following conversion factors are used in this Part.

English	Metric
1 gal	3.785 l
1,000 gal	3,785 l or 3.785 m ³
1 psia	6.897 kPa (51.71 mm Hg)
2,205 lbs	1 kg
1 bbl	159.0 l
1 cu in	16.39 ml
1 lb/gal	119,800 mg/l
1 ton	0.907 Mg
1 T	0.907 Mg

Section 219.103 Applicability

The provisions of this Part shall apply to all sources located in Madison, Monroe, and St. Clair Counties.

Section 219.104 Definitions

The following terms are defined for the purpose of this Part.

"Accelacota" means a pharmaceutical coating operation which consists of a horizontally rotating perforated drum in which tablets are placed, a coating is applied by spraying, and the coating is dried by the flow of air across the drum through the perforations.

"Accumulator" means the reservoir of a condensing unit receiving the condensate from a surface condenser.

"Acid gases" means for the purposes of Section 9.4 of the Environmental Protection Act (the Act) (Ill. Rev. Stat. 1989, ch. 111 1/2, par. 1009.4), hydrogen chloride, hydrogen fluoride and hydrogen bromide, which exist as gases, liquid mist, or any combination thereof.

"Actual emissions" means the actual quantity of VOM emissions from an emission source during a particular time period.

"Actual heat input" means the quantity of heat produced

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by the combustion of fuel using the gross heating value of the fuel.

"Adhesive" means any substance or mixture of substances intended to serve as a joining compound.

"Afterburner" means a control device in which materials in gaseous effluent are combusted.

"Air contaminant" means any solid, liquid, or gaseous matter, any odor, or any form of energy, that is capable of being released into the atmosphere from an emission source.

"Air dried coatings" means any coatings that dry by use of air or forced air at temperatures up to 363.15 K (194°F).

"Air pollution" means the presence in the atmosphere of one or more air contaminants in sufficient quantities and of such characteristics and duration as to be injurious to human, plant, or animal life, to health, or to property, or to unreasonably interfere with the enjoyment of life or property.

"Air pollution control equipment" means any equipment or facility of a type intended to eliminate, prevent, reduce or control the emission of specified air contaminants to the atmosphere.

"Air suspension coater/dryer" means a pharmaceutical coating operation which consists of vertical chambers in which tablets or particles are placed, and a coating is applied and then dried while the tablets or particles are kept in a fluidized state by the passage of air upward through the chambers.

"Airless spray" means a spray coating method in which the coating is atomized by forcing it through a small opening at high pressure. The coating liquid is not mixed with air before exiting from the nozzle.

"Air-assisted airless spray" means a spray coating method which combines compressed air with hydraulic pressure to atomize the coating material into finer droplets than is achieved with pure airless spray.

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Lower hydraulic pressure is used than with airless spray.

"Allowable emissions" means the quantity of VOM emissions during a particular time period from a stationary source calculated using the maximum rated capacity of the source (unless restricted by federally enforceable limitations on operating rate, hours of operation, or both) and the most stringent of: the applicable standards in 40 CFR Parts 60 and 61; the applicable implementation plan; or a federally enforceable permit.

"Ambient air quality standards" means those standards designed to protect the public health and welfare codified in 40 CFR Part 50 and promulgated from time to time by the USEPA pursuant to authority contained in Section 108 of the Clean Air Act, 42 U.S.C. 7401 et seq., as amended from time to time.

"Applicator" means a device used in a coating line to apply coating.

"As applied" means the exact formulation of a coating during application on or impregnation into a substrate.

"Architectural coating" means any coating used for residential or commercial buildings or their appurtenances, or for industrial buildings, which is site applied.

"Asphalt" means the dark-brown to black cementitious material (solid, semisolid, or liquid in consistency) of which the main constituents are bitumens which occur naturally or as a residue of petroleum refining.

"Asphalt prime coat" means a low-viscosity liquid asphalt applied to an absorbent surface as the first of more than one asphalt coat.

"Automobile" means a motor vehicle capable of carrying no more than 12 passengers.

"Automobile or light-duty truck assembly plant" means a facility where parts are assembled or finished for eventual inclusion into a finished automobile or

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light-duty truck ready for sale to vehicle dealers, but not including customizers, body shops, and other repainters.

"Automobile or light-duty truck refinishing" means the repainting of used automobiles and light-duty trucks.

"Baked coatings" means any coating which is cured or dried in an oven where the oven air temperature exceeds 90°C (194°F).

"Batch loading" means the process of loading a number of individual parts at the same time for degreasing.

"Bead-dipping" means the dipping of an assembled tire bead into a solvent-based cement.

"Binders" means organic materials and resins which do not contain VOM.

"Bituminous coatings" means black or brownish coating materials which are soluble in carbon disulfide, which consist mainly of hydrocarbons, and which are obtained from natural deposits or as residues from the distillation of crude oils or of low grades of coal.

"British thermal unit" means the quantity of heat required to raise one pound of water from 60°F to 61°F (abbreviated btu).

"Brush or wipe coating" means a manual method of applying a coating using a brush, cloth, or similar object.

"Bulk gasoline plant" means a gasoline storage and distribution facility with an average throughput of 76,000 l (20,000 gal) or less on a 30-day rolling average that distributes gasoline to gasoline dispensing facilities.

"Bulk gasoline terminal" means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, and distributes gasoline to bulk gasoline plants or gasoline dispensing facilities.

"Can" means any metal container, with or without a top,

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cover, spout or handles, into which solid or liquid materials are packaged.

"Can coating" means any coating applied on a single walled container that is manufactured from metal sheets thinner than 29 gauge (0.0141 in).

"Can coating facility" means a facility that includes one or more can coating line(s).

"Can coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of cans or can components.

"Capture" means the containment or recovery of emissions from a process for direction into a duct which may be exhausted through a stack or vent to a control device. The overall abatement of emissions from a process with an add-on control device is a function both of the capture efficiency and of the control device.

"Capture device" means a hood, enclosed room floor sweep or other means of collecting solvent or other pollutants into a duct. The pollutant can then be directed to a pollution control device such as an afterburner or carbon adsorber. Sometimes the term is used loosely to include the control device.

"Capture efficiency" means the fraction of all VOM generated by a process that are directed to an abatement or recovery device.

"Capture system" means all equipment (including, but not limited to, hoods, ducts, fans, ovens, dryers, etc.) used to contain, collect and transport an air pollutant to a control device.

"Clean Air Act" means the Clean Air Act of 1963, as amended, including the Clean Air Act Amendments of 1977 (42 U.S.C. 7401 et seq.), and the Clean Air Act Amendments of 1990 (P.L. 101-549).

"Clear coating" means coatings that lack color and opacity or are transparent using the undercoat as a reflectant base or undertone color.

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"Clear topcoat" means the final coating which contains binders, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.

"Closed purge system" means a system that is not open to the atmosphere and that is composed of piping, connections, and, if necessary, flow inducing devices that transport liquid or vapor from a piece or pieces of equipment to a control device, or return the liquid or vapor to the process line.

"Closed vent system" means a system that is not open to the atmosphere and is composed of piping, connections, and, if necessary, flow inducing devices that transport gas or vapor from an emission source to a control device.

"Coating" means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, adhesives, thinners, diluents, and inks.

"Coating applicator" means equipment used to apply a coating.

"Coating line" means an operation consisting of a series of one or more coating applicators and any associated flash-off areas, drying areas, and ovens wherein a surface coating is applied, dried, or cured. (It is not necessary for an operation to have an oven, or flash-off area, or drying area to be included in this definition.)

"Coating plant" means any plant that contains one or more coating line(s).

"Coil" means any flat metal sheet or strip that is rolled or wound in concentric rings.

"Coil coating" means any coating applied on any flat metal sheet or strip that comes in rolls or coils.

"Coil coating facility" means a facility that includes

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one or more coil coating line(s).

"Coil coating line" means a coating line in which any protective, decorative or functional coating is applied onto the surface of flat metal sheets, strips, rolls, or coils for industrial or commercial use.

"Cold cleaning" means the process of cleaning and removing soils from surfaces by spraying, brushing, flushing, or immersion while maintaining the organic solvent below its boiling point. Wipe cleaning is not included in this definition.

"Complete combustion" means a process in which all carbon contained in a fuel or gas stream is converted to carbon dioxide.

"Component" means, with respect to synthetic organic chemical and polymer manufacturing equipment, and petroleum refining and related industries, any piece of equipment which has the potential to leak VOM including, but not limited to, pump seals, compressor seals, seal oil degassing vents, pipeline valves, pressure relief devices, process drains, and open ended pipes. This definition excludes valves which are not externally regulated, flanges, and equipment in heavy liquid service. For purposes of Subpart Q of this Part, this definition also excludes bleed ports of gear pumps in polymer service.

"Concrete curing compounds" means any coating applied to freshly poured concrete to retard the evaporation of water.

"Condensate" means volatile organic liquid separated from its associated gases, which condenses due to changes in the temperature or pressure and remains liquid at standard conditions.

"Continuous process" means, with respect to polystyrene resin, a method of manufacture in which the styrene raw material is delivered on a continuous basis to the reactor in which the styrene is polymerized to polystyrene.

"Control device" means equipment (such as an

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afterburner or adsorber) used to remove or prevent the emission of air pollutants from a contaminated exhaust stream.

"Control device efficiency" means the ratio of the pollution prevented by a control device and the pollution introduced to the control device, expressed as a percentage.

"Conveyorized degreasing" means the continuous process of cleaning and removing soils from surfaces utilizing either cold or vaporized solvents.

"Crude oil" means a naturally occurring mixture which consists of hydrocarbons and sulfur, nitrogen, or oxygen derivatives of hydrocarbons and which is a liquid at standard conditions.

"Crude oil gathering" means the transportation of crude oil or condensate after custody transfer between a production facility and a reception point.

"Custody transfer" means the transfer of produced petroleum and/or condensate after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

"Cutback asphalt" means any asphalt which has been liquified by blending with petroleum solvents other than residual fuel oil and has not been emulsified with water.

"Daily-weighted average VOM content" means the average VOM content of two or more coatings as applied on a coating line during any day, taking into account the fraction of total coating volume that each coating represents, as calculated with the following equation:

$$VOM_w = \left\{ \sum_{i=1}^n V_i C_i \right\} / V_t$$

where:

VOM_w = The average VOM content of two or more

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coatings as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM),

n = The number of different coatings as applied each day on a coating line,

V_i = The volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal).

C_i = The VOM content of each coating as applied each day on a coating line in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM), and

V_T = The total volume of all coatings (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on a coating line in units of l (gal).

"Day" means the consecutive 24 hours beginning at 12:00 AM (midnight) local time.

"Degreaser" means any equipment or system used in solvent cleaning.

"Delivery vessel" means any tank truck or trailer equipped with a storage tank that is used for the transport of gasoline to a stationary storage tank at a gasoline dispensing facility, bulk gasoline plant, or bulk gasoline terminal.

"Dip coating" means a method of applying coatings in which the part is submerged in a tank filled with the coating.

"Distillate fuel oil" means fuel oils of grade No. 1 or 2 as specified in detailed requirements for fuel oil

ASTM D-369-69 (1971).

"Dry cleaning facility" means a facility engaged in the cleaning of fabrics using an essentially nonaqueous solvent by means of one or more solvent washes, extraction of excess solvent by spinning and drying by tumbling in an airstream. The facility includes, but is not limited to, washers, dryers, filter and purification systems, waste disposal systems, holding tanks, pumps and attendant piping and valves.

"Effluent water separator" means any tank, box, sump or other apparatus in which any organic material floating on or entrained or contained in water entering such tank, box, sump or other apparatus is physically separated and removed from such water prior to outfall, drainage or recovery of such water.

"Electrostatic bell or disc spray" means an electrostatic spray coating method in which a rapidly-spinning bell- or disc-shaped applicator is used to create a fine mist and apply the coating with high transfer efficiency.

"Electrostatic spray" means a spray coating method in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the object due to the electrostatic potential between them.

"Emission rate" means total quantity of any air contaminant discharge into the atmosphere in any one-hour period.

"Emission source" and "source" mean any facility from which VOM is emitted or capable of being emitted into the atmosphere.

"Enamel" means a coating that cures by chemical cross-linking of its base resin. Enamels can be distinguished from lacquers because enamels are not readily resolvable in their original solvent.

"Enclose" means to cover any VOL surface that is exposed to the atmosphere.

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"End sealing compound coat" means a compound applied to can ends which functions as a gasket when the end is assembled onto the can.

"Excess air" means air supplied in addition to the theoretical quantity necessary for complete combustion of all fuel and/or combustible waste material.

"Excessive release" means a discharge of more than 295 g (0.65 lbs) of mercaptans and/or hydrogen sulfide into the atmosphere in any 5-minute period.

"Exterior base coat" means a coating applied to the exterior of a can body, or flat sheet to provide protection to the metal or to provide background for any lithographic or printing operation.

"Exterior end coat" means a coating applied to the exterior end of a can to provide protection to the metal.

"External-floating roof" means a cover over an open top storage tank consisting of a double deck or pontoon single deck which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Extreme environmental conditions" means exposure to any or all of the following: ambient weather conditions; temperatures consistently above 95°C (203°F); detergents; abrasive and scouring agents; solvents; or corrosive atmospheres.

"Extreme performance coating" means any coating which during intended use is exposed to extreme environmental conditions.

"Fabric coating" means any coating applied on textile fabric. Fabric coating includes the application of coatings by impregnation.

"Fabric coating facility" means a facility that includes one or more fabric coating lines.

"Fabric coating line" means a coating line in which any

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protective, decorative, or functional coating or reinforcing material is applied on or impregnated into a textile fabric.

"Federally enforceable" means all limitations and conditions which are enforceable by the Administrator including those requirements developed pursuant to 40 CFR Parts 60 and 61; requirements within any applicable implementation plan; and any permit requirements established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51 Subpart I and 40 CFR 51.166.

"Final repair coat" means the repainting of any topcoat which is damaged during vehicle assembly.

"Firebox" means the chamber or compartment of a boiler or furnace in which materials are burned, but not the combustion chamber or afterburner of an incinerator.

"Fixed-roof tank" means a cylindrical shell with a permanently affixed roof.

"Flexographic printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of elastomeric materials.

"Flexographic printing line" means a printing line in which each roll printer uses a roll with raised areas for applying an image such as words, designs, or pictures to a substrate. The image carrier on the roll is made of rubber or other elastomeric material.

"Floating roof" means a roof on a stationary tank, reservoir, or other container which moves vertically upon change in volume of the stored material.

"Fountain solution" means the solution which is applied to the image plate to maintain hydrophilic properties of the non-image areas.

"Freeboard height" means for open top vapor degreasers, the distance from the top of the vapor zone to the top of the degreaser tank. For cold cleaning degreasers,

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the distance from the solvent to the top of the degreaser tank. .

"Fuel combustion emission source" means any furnace, boiler, or similar equipment used for the primary purpose of producing heat or power by indirect heat transfer.

"Fuel gas system" means a system for collection of refinery fuel gas including, but not limited to, piping for collecting tail gas from various process units, mixing drums and controls, and distribution piping.

"Gas service" means that the component contains process fluid that is in the gaseous state at operating conditions.

"Gas/gas method" means either of two methods for determining capture which rely only on gas phase measurements. The first method requires construction of a temporary total enclosure (TTE) to ensure that all would-be fugitive emissions are measured. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Gasoline" means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kPa or greater which is used as a fuel for internal combustion engines.

"Gasoline dispensing facility" means any site where gasoline is transferred from a stationary storage tank to a motor vehicle gasoline tank used to provide fuel to the engine of that motor vehicle.

"Green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"Green tires" means assembled tires before molding and

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curing have occurred.

"Gross vehicle weight" means the manufacturer's gross weight rating for the individual vehicle.

"Gross vehicle weight rating" means the value specified by the manufacturer as the maximum design loaded weight of a single vehicle.

"Heated airless spray" means an airless spray coating method in which the coating is heated just prior to application.

"Heatset" means a class of web-offset lithography which requires a heated dryer to solidify the printing inks.

"Heatset-web-offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

"Heavy liquid" means liquid with a true vapor pressure of less than 0.3 kPa (0.04 psi) at 294.3°K (70°F) established in a standard reference text or as determined by ASTM method D2879-86 (incorporated by reference in Section 219.112); or which has 0.1 Reid Vapor Pressure as determined by ASTM method D323-82 (incorporated by reference in Section 219.112); or which when distilled requires a temperature of 421.95°K (300°F) or greater to recover 10 percent of the liquid as determined by ASTM method D86-82 (incorporated by reference in Section 219.112).

"Heavy off-highway vehicle products" means, for the purpose of Subpart F of this Part, heavy construction, mining, farming, or material handling equipment; heavy industrial engines; diesel-electric locomotives and associated power generation equipment; and the components of such equipment or engines.

"Heavy off-highway vehicle products coating facility" means a facility that includes one or more heavy off-highway vehicle products coating line(s).

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"Heavy off-highway vehicle products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of heavy off-highway vehicle products.

"High temperature aluminum coating" means a coating that is certified to withstand a temperature of 537.8°C (1000°F) for 24 hours.

"Hood" means a partial enclosure or canopy for capturing and exhausting, by means of a draft, the organic vapors or other fumes rising from a coating process or other source.

"Hood capture efficiency" means the emissions from a process which are captured by the hood and directed into a control device, expressed as a percentage of all emissions.

"Hot well" means the reservoir of a condensing unit receiving the condensate from a barometric condenser.

"Hour" means a block period of 60 minutes (e.g., 1:00am to 2:00am).

"In-process tank" means a container used for mixing, blending, heating, reacting, holding, crystallizing, evaporating or cleaning operations in the manufacture of pharmaceuticals.

"In-situ sampling systems" means nonextractive samplers or in-line samplers.

"In-vacuum service" means, for the purpose of Subpart Q of this Part, equipment which is operating at an internal pressure that is at least 5 kPa (0.73 psia) below ambient pressure.

"Incinerator" means a combustion apparatus in which refuse is burned.

"Indirect heat transfer" means transfer of heat in such a way that the source of heat does not come into direct contact with process materials.

"Ink" means a coating used in printing, impressing, or

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transferring an image onto a substrate.

"Interior body spray coat" means a coating applied by spray to the interior of a can body.

"Internal-floating roof" means a cover or roof in a fixed-roof tank which rests upon and is supported by the volatile organic liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

"Lacquers" means any clear wood finishes formulated with nitrocellulose or synthetic resins to dry by evaporation without chemical reaction, including clear lacquer sanding sealers.

"Large appliance" means any residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

"Large appliance coating" means any coating applied to the component metal parts (including, but not limited to, doors, cases, lids, panels, and interior support parts) of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dish washers, trash compactors, air conditioners, and other similar products.

"Large appliance coating facility" means a facility that includes one or more large appliance coating line(s).

"Large appliance coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of large appliances.

"Light liquid" means VOM in the liquid state which is not defined as heavy liquid.

"Light-duty truck" means any motor vehicle rated at 3,850 kg gross vehicle weight or less, designed mainly to transport property.

"Liquid/gas method" means either of two methods for determining capture which require both gas phase and

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liquid phase measurements and analysis. The first method requires construction of a TTE. The second method uses the building or room which houses the facility as an enclosure. The second method requires that all other VOM sources within the room be shut down while the test is performed, but all fans and blowers within the room must be operated according to normal procedures.

"Liquid-mounted seal" means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof edge around the circumference of the roof.

"Liquid service" means that the equipment or component contains process fluid that is in a liquid state at operating conditions.

"Liquids dripping" means any visible leaking from a seal including spraying, misting, clouding and ice formation.

"Lithographic printing line" means a printing line, except that the substrate is not necessarily fed from an unwinding roll, in which each roll printer uses a roll where both the image and non-image areas are essentially in the same plane (planographic).

"Low solvent coating" means a coating which contains less organic solvent than the conventional coatings used by the industry. Low solvent coatings include water-borne, higher solids, electro-deposition and powder coatings.

"Magnet wire" means aluminum or copper wire formed into an electromagnet coil.

"Magnet wire coating" means any coating or electrically insulating varnish or enamel applied to magnet wire.

"Magnet wire coating facility" means a facility that includes one or more magnet wire coating line(s).

"Magnet wire coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of a magnet wire.

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"Malfunction" means any sudden and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

"Manufacturing process" means a method whereby a process emission source or series of process emission sources is used to convert raw materials, feed stocks, subassemblies, or other components into a product, either for sale or for use as a component in a subsequent manufacturing process.

"Material recovery section" means any equipment designed to transport and recover styrene monomer and other impurities from other products and by-products in a polystyrene plant, including but not limited to the styrene devolatilizer unit and styrene recovery unit.

"Maximum theoretical emissions" means the quantity of volatile organic material emissions that theoretically could be emitted by a stationary source before add-on controls based on the design capacity or maximum production capacity of the source and 8760 hours per year. The design capacity or maximum production capacity includes use of coating(s) or ink(s) with the highest volatile organic material content actually used in practice by the source. Provided, however, the Agency shall, when appropriate, and upon request by the permit applicant, limit the "maximum theoretical emissions" of a source by the imposition of conditions in a federally enforceable operating permit for such source. Such conditions shall not be inconsistent with requirement of the Clean Air Act, as amended, or any applicable requirements established by the Board. Such conditions shall be established in place of design capacity of maximum production capacity in calculating the "maximum theoretical emissions" for such source and may include, among other things, the establishment of production limitations, capacity limitations, emission limitations, or limitations on the volatile organic material content of coatings or inks, or the hours of operation of any emission source, or a combination of

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any such limitations. Production or capacity limitations shall be established on basis of no longer than one month except in those cases where a limit spanning a longer period of time is appropriate. In such cases, a "rolling limit" shall be employed. Any production or capacity limitations shall be verified through appropriate recordkeeping.

(Board Note: The USEPA may deem operating permits which do not conform to the operating permit program requirements and the requirements of USEPA's underlying regulations, including the requirement that limitations be quantifiable and enforceable as a practical matter, not "federally enforceable.")

"Metal furniture" means a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers.

"Metal furniture coating" means any non-adhesive coating applied to any furniture piece made of metal or any metal part which is or will be assembled with other metal, wood, fabric, plastic or glass parts to form a furniture piece including, but not limited to, tables, chairs, waste baskets, beds, desks, lockers, benches, shelving, file cabinets, lamps, and room dividers. This definition shall not apply to any coating line coating miscellaneous metal parts or products.

"Metal furniture coating facility" means a facility that includes one or more metal furniture coating line(s).

"Metal furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of metal furniture.

"Metallic shoe-type seal" means a primary or secondary seal constructed of metal sheets (shoes) which are joined together to form a ring, springs, or levers which attach the shoes to the floating roof and hold the shoes against the tank wall, and a coated fabric which is suspended from the shoes to the floating roof.

"Miscellaneous fabricated product manufacturing

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process" means:

A manufacturing process involving one or more of the following applications, including any drying and curing of formulations, and capable of emitting VOM:

Adhesives to fabricate or assemble components or products

Asphalt solutions to paper or fiberboard

Asphalt to paper or felt

Coatings or dye to leather

Coatings to plastic

Coatings to rubber or glass

Disinfectant material to manufactured items

Plastic foam scrap or "fluff" from the manufacture of foam containers and packaging material to form resin pallets

Resin solutions to fiber substances

Viscose solutions for food casings

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Miscellaneous formulation manufacturing process" means:

A manufacturing process which compounds one or more of the following and is capable of emitting VOM:

Adhesives

Asphalt solutions

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Caulks, sealants, or waterproofing agents
Coatings, other than paint and ink

Concrete curing compounds

Dyes

Friction materials and compounds

Resin solutions

Rubber solutions

Viscose solutions

The storage and handling of formulations associated with the process described above, and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

"Miscellaneous metal parts or products" means any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, magnet wire, automobiles, ships, and airplane bodies.

"Miscellaneous metal parts and products coating" means any coating applied to any metal part or metal product, even if attached to or combined with a nonmetal part or product, except cans, coils, metal furniture, large appliances, and magnet wire. Prime coat, prime surfacer coat, topcoat, and final repair coat for automobiles and light-duty trucks are not miscellaneous metal parts and products coatings. However, underbody anti-chip (e.g., underbody plastisol) automobile and light-duty truck coatings are miscellaneous metal parts and products coatings. Also, automobile or light-duty truck refinishing coatings, coatings applied to the exterior of marine vessels, coatings applied to the exterior of airplanes, and the customized topcoating of automobiles and trucks if production is less than 35 vehicles per day are not miscellaneous metal parts and products coatings.

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"Miscellaneous metal parts or products coating facility" means a facility that includes one or more miscellaneous metal parts or products coating lines.

"Miscellaneous metal parts or products coating line" means a coating line in which any protective, decorative, or functional coating is applied onto the surface of miscellaneous metal parts or products.

"Miscellaneous organic chemical manufacturing process" means:

A manufacturing process which produces, by chemical reaction, one or more of the following organic compounds or mixtures of organic compounds and which is capable of emitting VOM:

Chemicals listed in Appendix A of this Part

Chlorinated and sulfonated compounds

Cosmetic, detergent, soap, or surfactant intermediaries or specialties and products

Disinfectants

Food additives

Oil and petroleum product additives

Plasticizers

Resins or polymers

Rubber additives

Sweeteners

Varnishes

The storage and handling of formulations associated with the process described above and the use and handling of organic liquids and other substances for clean-up operations associated with the process described in this definition.

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"Monitor" means to measure and record.

"Multiple package coating" means a coating made from more than one different ingredient which must be mixed prior to using and has a limited pot life due to the chemical reaction which occurs upon mixing.

"No detectable volatile organic material emissions" means a discharge of volatile organic material into the atmosphere as indicated by an instrument reading of less than 500 ppm above background as determined in accordance with 40 CFR 60.485(c).

"Offset" means, with respect to printing and publishing operations, use of a blanket cylinder to transfer ink from the plate cylinder to the surface to be printed.

"Opaque stains" means all stains that are not semi-transparent stains.

"Open top vapor degreasing" means the batch process of cleaning and removing soils from surfaces by condensing hot solvent vapor on the colder metal parts.

"Open-ended valve" means any valve, except pressure relief devices, having one side of the valve in contact with process fluid and one side open to the atmosphere, either directly or through open piping.

"Operator of gasoline dispensing facility" means any person who is the lessee of or operates, controls or supervises a gasoline dispensing facility.

"Organic compound" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate.

"Organic material" means any chemical compound of carbon including diluents and thinners which are liquids at standard conditions and which are used as solvents, viscosity reducers, or cleaning agents, but excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbonic acid, metallic carbide, metallic carbonates, and ammonium carbonate.

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"Organic vapor" means the gaseous phase of an organic material or a mixture of organic materials present in the atmosphere.

"Oven" means a chamber within which heat is used for one or more of the following purposes: dry, bake, cure, or polymerize a coating or ink.

"Overall control" means the product of the capture efficiency and the control device efficiency.

"Overvarnish" means a transparent coating applied directly over ink or coating.

"Owner of gasoline dispensing facility" means any person who has legal or equitable title to a stationary storage tank at a gasoline dispensing facility.

"Owner or operator" means any person who owns, operates, leases, controls, or supervises an emission source or air pollution control equipment.

"Packaging rotogravure printing" means rotogravure printing upon paper, paper board, metal foil, plastic film, and other substrates, which are, in subsequent operations, formed into packaging products or labels for articles to be sold.

"Packaging rotogravure printing line" means a rotogravure printing line in which surface coatings are applied to paper, paperboard, foil, film, or other substrates which are to be used to produce containers, packaging products, or labels for articles.

"Paint manufacturing plant" means a plant that mixes, blends, or compounds enamels, lacquers, sealers, shellacs, stains, varnishes, or pigmented surface coatings.

"Paper coating" means any coating applied on paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, or pressure sensitive tapes. Paper coating includes the application of coatings by

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Impregnation and/or saturation.

"Paper coating facility" means a facility that includes one or more paper coating lines.

"Paper coating line" means a coating line in which any protective, decorative, or functional coating is applied on, saturated into, or impregnated into paper, plastic film, or metallic foil to make certain products, including (but not limited to) adhesive tapes and labels, book covers, post cards, office copier paper, drafting paper, and pressure sensitive tapes.

"Parts per million (volume)" means a volume/volume ratio which expresses the volumetric concentration of gaseous air contaminant in a million unit volume of gas.

"Person" means any individual, corporation, partnership, association, state, municipality, political subdivision of a state; any agency, department, or instrumentality of the United States; and any officer, agent, or employee thereof.

"Petroleum" means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

"Petroleum liquid" means crude oil, condensate or any finished or intermediate product manufactured at a petroleum refinery, but not including Number 2 through Number 6 fuel oils as specified in ASTM D-396-69, gas turbine fuel oils Numbers 2-GT through 4-GT as specified in ASTM D-2880-71 or diesel fuel oils Numbers 2-D and 4-D, as specified in ASTM D-975-68.

"Petroleum refinery" means any facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum, or through redistillation, cracking, or reforming of unfinished petroleum derivatives.

"Pharmaceutical" means any compound or mixture, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease in human and animal.

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"Pharmaceutical coating operation" means a device in which a coating is applied to a pharmaceutical, including air drying or curing of the coating.

"Photochemically reactive material" means any organic material with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified below or the composition of which exceeds any of the following individual percentage composition limitations. Whenever any photochemically reactive material or any constituent of any organic material may be classified from its chemical structure into more than one of the above groups of organic materials it shall be considered as a member of the most reactive group, that is, the group having the least allowable percent of the total organic materials.

A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic type of unsaturation: 5 percent. This definition does not apply to perchloroethylene or trichloroethylene.

A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

A combination of ethylbenzene, ketones having branched hydrocarbon structures or toluene: 20 percent.

"Pigmented coatings" means opaque coatings containing binders and colored pigments which are formulated to conceal the wood surface either as an undercoat or topcoat.

"Plant" means all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control), except the activities of any marine vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "Major Group" (i.e., which have the same two-digit code) as

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described in the "Standard Industrial Classification Manual, 1987" (incorporated by reference in Section 219.112).

"Plasticizers" means a substance added to a polymer composition to soften and add flexibility to the product.

"Pneumatic rubber tire manufacture" means the production of pneumatic rubber tires with a bead diameter up to but not including 20.0 inches and cross section dimension up to 12.8 inches, but not including specialty tires for antique or other vehicles when produced on equipment separate from normal production lines for passenger or truck type tires.

"Polystyrene plant" means any plant using styrene to manufacture polystyrene resin.

"Polystyrene resin" means substance consisting of styrene polymer and additives which is manufactured at a polystyrene plant.

"Pressure release" means the emission of materials resulting from system pressure being greater than set pressure of the pressure relief device.

"Pressure tank" means a tank in which fluids are stored at a pressure greater than atmospheric pressure.

"Prime coat" means the first of two or more coatings applied to a surface.

"Prime surfacer coat" means a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The prime surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a prime surfacer coat.

"Primers" means any coatings formulated and applied to substrates to provide a firm bond between the substrate and subsequent coats.

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"Printing" means the application of words, designs, and pictures to a substrate using ink.

"Printing line" means an operation consisting of a series of one or more roll printers and any associated roll coaters, drying areas, and ovens wherein one or more coatings are applied, dried, and/or cured.

"Process" means any stationary emission source other than a fuel combustion emission source or an incinerator.

"Process unit" means components assembled to produce, as intermediate or final products, one or more of the chemicals listed in 35 Ill. Adm. Code 219. Appendix A. A process unit can operate independently if supplied with sufficient feed or raw materials and sufficient storage facilities for the product.

"Process unit shutdown" means a work practice or operational procedure that stops production from a process unit or part of a process unit. An unscheduled work practice or operational procedure that stops production from a process unit or part of a process unit for less than 24 hours is not a process unit shutdown. The use of spare components and technically feasible bypassing of components without stopping production is not a process unit shutdown.

"Production equipment exhaust system" means a system for collecting and directing into the atmosphere emissions of volatile organic material from reactors, centrifuges, and other process emission sources.

"Publication rotogravure printing line" means a rotogravure printing line in which coatings are applied to paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, or other types of printed material.

"Purged process fluid" means liquid or vapor from a process unit that contains volatile organic material and that results from flushing or cleaning the sample line(s) of a process unit so that an uncontaminated sample may then be taken for testing or analysis.

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"Reactor" means a vat, vessel, or other device in which chemical reactions take place.

"Reasonably Available Control Technology (RACT)" means the lowest emission limitation that an emission source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

"Refiner" means any person who owns, leases, operates, controls, or supervises a refinery.

"Refinery fuel gas" means any gas which is generated by a petroleum refinery process unit and which is combusted at the refinery, including any gaseous mixture of natural gas and fuel gas.

"Refinery unit, process unit or unit" means a set of components which are a part of a basic process operation such as distillation, hydrotreating, cracking, or reforming of hydrocarbons.

"Refrigerated condenser" means a surface condenser in which the coolant supplied to the condenser has been cooled by a mechanical device, other than by a cooling tower or evaporative spray cooling, such as refrigeration unit or steam chiller unit.

"Reid vapor pressure" means the standardized measure of the vapor pressure of a liquid in pounds per square inch absolute (psia) at 100°F (37.8°C).

"Repair coatings" means coatings used to correct imperfections or damage to furniture surface.

"Repaired" means, for the purpose of Subpart Q of this Part, that equipment component has been adjusted, or otherwise altered, to eliminate a leak.

"Residual fuel oil" means fuel oils of grade No. 4, 5 and 6 as specified in detailed requirements for fuel oils ASTM D-396-69 (1971).

"Retail outlet" means any gasoline dispensing facility at which gasoline is sold or offered for sale for use

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in motor vehicles.

"Roll coater" means an apparatus in which a uniform layer of coating is applied by means of one or more rolls across the entire width of a moving substrate.

"Roll printer" means an apparatus used in the application of words, designs, and pictures to a substrate, usually by means of one or more rolls each with only partial coverage.

"Roll printing" means the application of words, designs, and pictures to a substrate usually by means of a series of hard rubber or metal rolls each with only partial coverage.

"Roller coating" means a method of applying a coating to a sheet or strip in which the coating is transferred by a roller or series of rollers.

"Rolling limit" means that a limit or limitation must not exceed an annual limit rolled on a monthly basis; that is, a monthly production or capacity level must be determined for each parameter subject to a production or capacity limitations and added to the eleven prior monthly levels for monthly comparison with the annual limit.

"Rotogravure printing" means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is recessed relative to the non-image area.

"Rotogravure printing line" means a printing line in which each roll printer uses a roll with recessed areas for applying an image to a substrate.

"Safety relief valve" means a valve which is normally closed and which is designed to open in order to relieve excessive pressures within a vessel or pipe.

"Sanding sealers" means any coatings formulated for and applied to bare wood for sanding and to seal the wood for subsequent application of varnish. To be considered a sanding sealer a coating must be clearly labelled as such.

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"Sealer" means a coating containing binders which seals wood prior to the application of the subsequent coatings.

"Sensor" means a device that measures a physical quantity or the change in a physical quantity such as temperature, pressure, flow rate, pH, or liquid level.

"Semi-transparent stains" means stains containing dyes or semi-transparent pigments which are formulated to enhance wood grain and change the color of the surface but not to conceal the surface, including, but not limited to, sap stain, toner, non-grain raising stains, pad stain, or spatter stain.

"Set of safety relief valves" means one or more safety relief valves designed to open in order to relieve excessive pressures in the same vessel or pipe.

"Sheet basecoat" means a coating applied to metal when the metal is in sheet form to serve as either the exterior or interior of a can for either two-piece or three-piece cans.

"Side-seam spray coat" means a coating applied to the seam of a three-piece can.

"Single coat" means one coating application applied to a metal surface.

"Solvent" means a liquid substance that is used to dissolve or dilute another substance.

"Solvent cleaning" means the process of cleaning soils from surfaces by cold cleaning, open top vapor degreasing, or conveyORIZED degreasing.

"Specified air contaminant" means any air contaminant as to which this Part contains emission standards or other specific limitations.

"Splash loading" means a method of loading a tank, railroad tank car, tank truck, or trailer by use of other than a submerged loading pipe.

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"Stack" means a flue or conduit, free-standing or with exhaust port above the roof of the building on which it is mounted, by which air contaminants are emitted into the atmosphere.

"Standard conditions" means a temperature of 70°F and a pressure of 14.7 psia.

"Standard cubic foot (scf)" means the volume of one cubic foot of gas at standard conditions.

"Standard Industrial Classification Manual" means the Standard Industrial Classification Manual (1987), Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402 (incorporated by reference in Section 219.112).

"Start-up" means the setting in operation of an emission source for any purpose.

"Stationary emission source" and "Stationary source" mean an emission source which is not self-propelled.

"Storage tank or storage vessel" means any stationary tank, reservoir or container used for the storage of VOL.

"Styrene devolatilizer unit" means equipment performing the function of separating unreacted styrene monomer and other volatile components from polystyrene in a vacuum devolatilizer.

"Styrene recovery unit" means equipment performing the function of separating styrene monomer from other less volatile components of the styrene devolatilizer unit's output. The separated styrene monomer may be reused as a raw material in the polystyrene plant.

"Submerged loading pipe" means any discharge pipe or nozzle which meets either of the following conditions:

Where the tank is filled from the top, the end of the discharge pipe or nozzle must be totally submerged when the liquid level is 15 cm (6 in) above the bottom of the tank.

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Where the tank is filled from the side, the discharge pipe or nozzle must be totally submerged when the liquid level is 46 cm (18 in) above the bottom of the tank.

"Substrate" means the surface onto which a coating is applied or into which a coating is impregnated.

"Surface condenser" means a device which removes a substance from a gas stream by reducing the temperature of the stream, without direct contact between the coolant and the stream.

"Synthetic organic chemical or polymer manufacturing plant" means a plant that produces, as intermediates or final products, one or more of the chemicals or polymers listed in 35 Ill. Adm. Code 219 Appendix A.

"Tablet coating operation" means a pharmaceutical coating operation in which tablets are coated.

"Thirty-day rolling average" means any value arithmetically averaged over any consecutive thirty days.

"Three-piece can" means a can which is made from a rectangular sheet and two circular ends.

"Topcoat" means a coating applied in a multiple coat operation other than prime coat, final repair coat, or prime surfacer coat.

"Topcoat operation" means all topcoat spray booths, flash-off areas, and bake ovens at a facility which are used to apply, dry, or cure the final coatings (except final off-line repair) on components of automobile or light-duty truck bodies.

"Transfer efficiency" means the ratio of the amount of coating solids deposited onto a part or product to the total amount of coating solids used.

"Tread end cementing" means the application of a solvent-based cement to the tire tread ends.

"True vapor pressure" means the equilibrium partial

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pressure exerted by a volatile organic liquid as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks," second edition, February 1980 (incorporated by reference in Section 219.112).

"Turnaround" means the procedure of shutting down an operating refinery unit, emptying gaseous and liquid contents to do inspection, maintenance and repair work, and putting the unit back into production.

"Two-piece can" means a can which is drawn from a shallow cup and requires only one end to be attached.

"Undercoaters" means any coatings formulated for and applied to substrates to provide a smooth surface for subsequent coats.

"Undertread cementing" means the application of a solvent-based cement to the underside of a tire tread.

"Unregulated safety relief valve" means a safety relief valve which cannot be actuated by a means other than high pressure in the pipe or vessel which it protects.

"Vacuum producing system" means any reciprocating, rotary, or centrifugal blower or compressor or any jet ejector or device that creates suction from a pressure below atmospheric and discharges against a greater pressure.

"Valves not externally regulated" means valves that have no external controls, such as in-line check valves.

"Vapor balance system" means any combination of pipes or hoses which creates a closed system between the vapor spaces of an unloading tank and a receiving tank such that vapors displaced from the receiving tank are transferred to the tank being unloaded.

"Vapor collection system" means all piping, seals, hoses, connections, pressure-vacuum vents, and other possible sources between the gasoline delivery vessel and the vapor processing unit and/or the storage tanks

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and vapor holder.

"Vapor control system" means any system that limits or prevents release to the atmosphere of organic material in the vapors displaced from a tank during the transfer of gasoline.

"Vapor-mounted primary seal" means a primary seal mounted with an air space bounded by the bottom of the primary seal, the tank wall, the liquid surface and the floating roof.

"Vapor recovery system" means a vapor gathering system capable of collecting all VOM vapors and gases discharged from the storage tank and a vapor disposal system capable of processing such VOM vapors and gases so as to prevent their emission to the atmosphere.

"Vehicle" means a device by which any person or property may be propelled, moved, or drawn upon a highway, excepting a device moved exclusively by human power or used exclusively upon stationary rails or tracks.

"Vinyl coating" means any topcoat or printing ink applied to vinyl coated fabric or vinyl sheets. Vinyl coating does not include plastisols.

"Vinyl coating facility" means a facility that includes one or more vinyl coating line(s).

"Vinyl coating line" means a coating line in which any protective, decorative or functional coating is applied onto vinyl coated fabric or vinyl sheets.

"Volatile organic liquid (VOL)" means any substance which is liquid at storage conditions and which contains volatile organic compounds.

"Volatile organic material (VOM) or volatile organic compound (VOC)" means any organic compound which participates in atmospheric photochemical reactions. This includes any organic compound other than the following compounds: methane, ethane, methyl chloroform (1,1,1-trichloroethane), CFC-113 (trichlorotrifluoroethane), methylene chloride

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(dichloromethane), CFC-11 (trichlorofluoromethane), CFC-12 (dichlorodifluoromethane), CFC-22 (chlorodifluoromethane), FC-23 (trifluoromethane), CFC-114 (dichlorotetrafluoroethane), CFC-115 (chloropentafluoroethane), HCFC-123 (dichlorotrifluoroethane), HFC-134a (tetrafluoroethane), HCFC-141b (dichlorofluoroethane) and HCFC-142b (chlorodifluoroethane). These compounds have been determined to have negligible photochemical reactivity.

For purposes of determining compliance with emission limits, VOC will be measured by the approved test methods. Where such a method also inadvertently measures compounds with negligible photochemical reactivity, an owner or operator may exclude these negligibly reactive compounds when determining compliance with an emissions standard.

"Volatile petroleum liquid" means any petroleum liquid with a true vapor pressure that is greater than 1.5 psia (78 millimeters of mercury) at standard conditions.

"Wash coat" means a coating containing binders which seals wood surfaces, prevents undesired staining, and controls penetration.

"Wastewater (oil/water) separator" means any device or piece of equipment which utilizes the difference in density between oil and water to remove oil and associated chemicals from water, or any device, such as a flocculation tank or a clarifier, which removes petroleum derived compounds from wastewater.

"Web" means a substrate which is printed in continuous roll-fed presses.

"Wood furniture" means room furnishings including cabinets (kitchen, bath, and vanity), tables, chairs, beds, sofas, shutters, art objects, wood paneling, wood flooring, and any other coated furnishings made of wood, wood composition, or fabricated wood materials.

"Wood furniture coating facility" means a facility that includes one or more wood furniture coating line(s).

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"Wood furniture coating line" means a coating line in which any protective, decorative, or functional coating is applied onto wood furniture.

"Woodworking" means the shaping, sawing, grinding, smoothing, polishing, and making into products of any form or shape of wood.

Section 219.105 Test Methods and Procedures

a) Coatings, Inks and Fountain Solutions

The following test methods and procedures shall be used to determine compliance of applied coatings, inks, and fountain solutions with the limitations set forth in this Part.

- 1) Sampling: Samples collected for analyses shall be one-liter taken into a one-liter container at a location and time such that the sample will be representative of the coating as applied (i.e., the sample shall include any dilution solvent or other VOM added during the manufacturing process). The container must be tightly sealed immediately after the sample is taken. Any solvent or other VOM added after the sample is taken must be measured and accounted for in the calculations in subsection (a)(3). For multiple package coatings, separate samples of each component shall be obtained. A mixed sample shall not be obtained as it will cure in the container. Sampling procedures shall follow the guidelines presented in:

- A) ASTM D3925-81 (1985) standard practice for sampling liquid paints and related pigment coating. This practice is incorporated by reference in Section 219.112.
- B) ASTM E300-86 standard practice for sampling industrial chemicals. This practice is incorporated by reference in Section 219.112.
- 2) Analyses: The applicable analytical methods specified below shall be used to determine the

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composition of coatings, inks, or fountain solutions as applied.

- A) Method 24 of 40 CFR 60, Appendix A, incorporated by reference in Section 219.112, shall be used to determine the VOM content and density of coatings. If it is demonstrated to the satisfaction of the Agency and the USEPA that plant coating formulation data are equivalent to Method 24 results, formulation data may be used. In the event of any inconsistency between a Method 24 test and a facility's formulation data, the Method 24 test will govern.
- B) Method 24A of 40 CFR Part 60, Appendix A, incorporated by reference in Section 219.112, shall be used to determine the VOM content and density of rotogravure printing inks and related coatings. If it is demonstrated to the satisfaction of the Agency and USEPA that the plant coating formulation data are equivalent to Method 24A results, formulation data may be used. In the event of any inconsistency between a Method 24A test and a facility's formulation data, the Method 24A test will govern.
- C) The following ASTM methods are the analytical procedures for determining VOM:
 - i) ASTM D1475-85: Standard test method for density of paint, varnish, lacquer and related products. This test method is incorporated by reference in Section 219.112.
 - ii) ASTM D2369-87: Standard test method for volatile content of a coating. This test method is incorporated by reference in Section 219.112.
 - iii) ASTM D3792-86: Standard test method for water content of water-reducible paints by direct injection into a gas chromatograph. This test method is

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- incorporated by reference in Section 219.112.
- iv) ASTM D4017-81 (1987): Standard test method for water content in paints and paint materials by the Karl Fischer method. This test method is incorporated by reference in Section 219.112.
 - v) ASTM D4457-85: Standard test method for determination of dichloromethane and 1,1,1, trichloroethane in paints and coatings by direct injection into a gas chromatograph. (The procedure delineated above can be used to develop protocols for any compounds specifically exempted from the definition of VOM.) This test method is incorporated by reference in Section 219.112.
 - vi) ASTM D2697-86: Standard test method for volume non-volatile matter in clear or pigmented coatings. This test method is incorporated by reference in Section 219.112.
 - vii) ASTM D3980-87: Standard practice for interlaboratory testing of paint and related materials. This practice is incorporated by reference in Section 219.112.
 - viii) ASTM E180-85: Standard practice for determining the precision data of ASTM methods for analysis of and testing of industrial chemicals. This practice is incorporated by reference in Section 219.112.
 - ix) ASTM D2372-85: Standard method of separation of vehicle from solvent-reducible paints. This method is incorporated by reference in Section 219.112.
 - D) Use of an adaptation to any of the analytical

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- methods specified in subsections (a) (2) (A), (B), and (C) may not be used unless approved by the Agency and USEPA. An owner or operator must submit sufficient documentation for the Agency and USEPA to find that the analytical methods specified in subsections (a) (2) (A), (B), and (C) will yield inaccurate results and that the proposed adaptation is appropriate.
- 3) Calculations: Calculations for determining the VOM content, water content and the content of any compounds which are specifically exempted from the definition of VOM of coatings, inks and fountain solutions as applied shall follow the guidance provided in the following documents.
 - A) "A Guide for Surface Coating Calculation", EPA-340/1-86-016, incorporated by reference in Section 219.112.
 - B) "Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink and Other Coatings" (revised June 1986), EPA-450/3-84-019, incorporated by reference in Section 219.112.
 - C) "A Guide for Graphic Arts Calculations", August 1988, EPA-340/1-88-003, incorporated by reference in Section 219.112
 - b) Automobile or Light-Duty Truck Test Protocol

The protocol for testing, including determining the transfer efficiency, of coating applicators at topcoat coating operations at an automobile assembly facility shall follow the procedure in: "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations", December 1988, EPA-450/3-88-018, incorporated by reference in Section 219.112.
 - c) Capture System Efficiency Test Protocols
 - 1) Applicability

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The requirements of subsection (c)(2) shall apply to all VOM emitting processes employing capture equipment (e.g., hoods, ducts), except those cases noted below.

- A) If a source installs a permanent total enclosure (PTE) that meets Agency and USEPA specifications, and which directs all VOM to a control device, then the source is exempted from the requirements described in subsection (c)(2). The Agency and USEPA specifications to determine whether a structure is considered a PTE are given in Procedure T of Appendix B of this Part. In this instance, the capture efficiency is assumed to be 100 percent and the source is still required to measure control efficiency using appropriate test methods as specified in subsection (d).
- B) If a source uses a control device designed to collect and recover VOM (e.g., carbon adsorber), an explicit measurement of capture efficiency is not necessary provided that the conditions given below are met. The overall control of the system can be determined by directly comparing the input liquid VOM to the recovered liquid VOM. The general procedure for use in this situation is given in 40 CFR 60.433, incorporated by reference in Section 219.112, with the following additional restrictions:

- i) The source must be able to equate solvent usage with solvent recovery on a 24-hour (daily) basis, rather than a 30-day weighted average, within 72 hours following the 24-hour period. In addition, one of the following two criteria must be met:
- ii) The solvent recovery system (i.e., capture and control system) must be dedicated to a single process line (e.g., one process line venting to a carbon adsorber system), or

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- iii) If the solvent recovery system controls multiple process lines, then the source must be able to demonstrate that the overall control (i.e., the total recovered solvent VOM divided by the sum of liquid VOM input to all process lines venting to the control system) meets or exceeds the most stringent standard applicable for any process line venting to the control system.

2) Specific Requirements

The capture efficiency of a process line shall be measured using one of the four protocols given below. Any error margin associated with a test protocol may not be incorporated into the results of a capture efficiency test. If these techniques are not suitable for a particular process, then the source may use an alternative capture efficiency protocol, provided that the alternative protocol is approved by the Agency and approved by the USEPA as a SIP revision.

- A) Gas/gas method using temporary total enclosure (TTE). The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = Gw / (Gw + Fw)$$

where: CE = capture efficiency, decimal fraction

Gw = mass of VOM captured and delivered to control device using a TTE

Fw = mass of fugitive VOM that escapes from a TTE

Procedure G.2 contained in Appendix B of this Part is used to obtain Gw. Procedure F.1 in Appendix B of this Part is used to obtain Fw.

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- B) Liquid/gas method using TTE. The Agency and USEPA specifications to determine whether a temporary enclosure is considered a TTE are given in Procedure T of Appendix B of this Part. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_v)/L$$

where: CE = capture efficiency, decimal fraction

L = mass of liquid VOM input to process

F_v = mass of fugitive VOM that escapes from a TTE

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.1 in Appendix B of this Part is used to obtain F_v.

- C) Gas/gas method using the building or room (building or room enclosure) in which the affected source is located as the enclosure and in which "F" and "G" are measured while operating only the affected facility. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = G/(G + F_g)$$

where: CE = capture efficiency, decimal fraction

G = mass of VOM captured and delivered to control device

F_g = mass of fugitive VOM that escapes from building enclosure

Procedure G.2 contained in Appendix B of this Part is used to obtain G. Procedure F.2 in

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Appendix B of this Part is used to obtain F_g.

- D) Liquid/gas method using the building or room (building or room enclosure) in which the affected source is located as the enclosure and in which "F" and "L" are measured while operating only the affected facility. All fans and blowers in the building or room must be operated as they would under normal production. The capture efficiency equation to be used for this protocol is:

$$CE = (L - F_g)/L$$

where: CE = capture efficiency, decimal fraction

L = mass of liquid VOM input to process

F_g = mass of fugitive VOM that escapes from building enclosure

Procedure L contained in Appendix B of this Part is used to obtain L. Procedure F.2 in Appendix B of this Part is used to obtain F_g.

3) Recordkeeping and Reporting

- A) All affected facilities must maintain a copy of the capture efficiency protocol submitted to the Agency and the USEPA on file. All results of the appropriate test methods and capture efficiency protocols must be reported to the Agency within sixty (60) days of the test date. A copy of the results must be kept on file with the source for a period of three (3) years.

- B) If any changes are made to capture or control equipment, then the source is required to notify the Agency and the USEPA of these changes and a new test may be required by the Agency or the USEPA.

- C) The source must notify the Agency 30 days

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prior to performing any capture efficiency or control test. At that time, the source must notify the Agency which capture efficiency protocol and control device test methods will be used.

D) Sources utilizing a PTE must demonstrate that this enclosure meets the requirement given in Procedure T (in Appendix B of this Part) for a PTE during any testing of their control device.

E) Sources utilizing a TTE must demonstrate that their TTE meets the requirements given in Procedure T (in Appendix B of this Part) for a TTE during testing of their control device. The source must also provide documentation that the quality assurance criteria for a TTE have been achieved.

d) Control Device Efficiency Testing and Monitoring

1) The control device efficiency shall be determined by simultaneously measuring the inlet and outlet gas phase VOM concentrations and gas volumetric flow rates in accordance with the gas phase test methods specified in subsection (f).

2) Any owner or operator that uses an afterburner or carbon adsorber to comply with any Section of this Part shall use USEPA approved continuous monitoring equipment which is installed, calibrated, maintained, and operated according to vendor specifications at all times the afterburner or carbon adsorber is in use. The continuous monitoring equipment must monitor the following parameters:

- A) Combustion chamber temperature of each afterburner.
- B) Temperature rise across each catalytic afterburner bed or VOM concentration of exhaust.
- C) The VOM concentration of each carbon

adsorption bed exhaust.

e) Overall Efficiency

1) The overall efficiency of the emission control system shall be determined as the product of the capture system efficiency and the control device efficiency or by the liquid/liquid test protocol as specified in 40 CFR 60.433, incorporated by reference in Section 219.112 (and revised by subsection (c)(1)(B) for each solvent recovery system. In those cases in which the overall efficiency is being determined for an entire line, the capture efficiency used to calculate the product of the capture and control efficiency is the total capture efficiency over the entire line.

2) For coating lines which are both chosen by the owner or operator to comply with Section 219.207(a), (d), (e), (f), or (g) by the alternative in Section 219.207(b)(2) and meet the criteria allowing them to comply with Section 219.207 instead of Section 219.204, the overall efficiency of the capture system and control device, as determined by the test methods and procedures specified in subsections (c), (d) and (e)(1), shall be no less than the equivalent overall efficiency which shall be calculated by the following equation:

$$E = ([VOM_a - VOM_c]/VOM_g) \times 100$$

where:

E = Equivalent overall efficiency of the capture system and control device as a percentage

VOM_a = Actual VOM content of a coating, or the daily-weighted average VOM content of two or more coatings (if more than one coating is used), as applied to the subject coating line as determined by the applicable test methods and procedures specified in subsection (a)(4)(i) of this Part in units of kg

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VOM/l (lb VOM/gal) of coating solids as applied

VOM_i = The VOM emission limit specified in Section 219.207(a) or (b) in units of kg VOM/l (lb VOM/gal) of coating solids as applied

f) Volatile Organic Material Gas Phase Source Test Methods

The methods in 40 CFR Part 60, Appendix A, incorporated by reference in Section 219.112 delineated below shall be used to determine control device efficiencies.

- 1) 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, incorporated by reference in Section 219.112 as appropriate to the conditions at the site, shall be used to determine VOM concentration. Method selection shall be based on consideration of the diversity of organic species present and their total concentration and on consideration of the potential presence of interfering gases. Except as indicated in subsections (f)(1)(A) and (B) below, the test shall consist of three separate runs, each lasting a minimum of 60 min, unless the Agency and the USEPA determine that process variables dictate shorter sampling times.

A) When the method is to be used to determine the efficiency of a carbon adsorption system with a common exhaust stack for all the individual adsorber vessels, the test shall consist of three separate runs, each coinciding with one or more complete sequences through the adsorption cycles of all the individual adsorber vessels.

B) When the method is to be used to determine the efficiency of a carbon adsorption system with individual exhaust stacks for each adsorber vessel, each adsorber vessel shall be tested individually. The test for each adsorber vessel shall consist of three separate runs. Each run shall coincide with one or more complete adsorption cycles.

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- 2) 40 CFR Part 60, Appendix A, Method 1 or 1A, incorporated by reference in Section 219.112, shall be used for sample and velocity traverses.
- 3) 40 CFR Part 60, Appendix A, Method 2, 2A, 2C or 2D, incorporated by reference in Section 219.112, shall be used for velocity and volumetric flow rates.
- 4) 40 CFR Part 60, Appendix A, Method 3, incorporated by reference in Section 219.112, shall be used for gas analysis.
- 5) 40 CFR Part 60, Appendix A, Method 4, incorporated by reference in Section 219.112, shall be used for stack gas moisture.
- 6) 40 CFR Part 60, Appendix A, Methods 2, 2A, 2C, 2D, 3 and 4, incorporated by reference in Section 219.112, shall be performed, as applicable, at least twice during each test run.
- 7) Use of an adaptation to any of the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) may not be used unless approved by the Agency and the USEPA. An owner or operator must submit sufficient documentation for the Agency and the USEPA to find that the test methods specified in subsections (f)(1), (2), (3), (4), (5) and (6) will yield inaccurate results and that the proposed adaptation is appropriate.

g) Leak Detection Methods for Volatile Organic Material

Owners or operators required by this Part to carry out a leak detection monitoring program shall comply with the following requirements:

1) Leak Detection Monitoring

A) Monitoring shall comply with 40 CFR 60, Appendix A, Method 21, incorporated by reference in Section 219.112.

B) The detection instrument shall meet the performance criteria of Method 21.

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- C) The instrument shall be calibrated before use on each day of its use by the methods specified in Method 21.
- D) Calibration gases shall be:
 - i) Zero air (less than 10 ppm of hydrocarbon in air); and
 - ii) A mixture of methane or n-hexane and air at a concentration of approximately, but no less than, 10,000 ppm methane or n-hexane.
- E) The instrument probe shall be traversed around all potential leak interfaces as close possible as described in Method 21.
- 2) When equipment is tested for compliance with no detectable emissions as required, the test shall comply with the following requirements:
 - A) The requirements of subsections (g)(1)(A) through (g)(1)(E) above shall apply.
 - B) The background level shall be determined as set forth in Method 21.
- 3) Leak detection tests shall be performed consistent with:
 - A) "APTI Course SI 417 controlling Volatile Organic Compound Emissions from Leaking Process Equipment", EPA-450/2-82-015, incorporated by reference in Section 219.112.
 - B) "Portable Instrument User's Manual for Monitoring VOC Sources", EPA-340/1-86-015, incorporated by reference in Section 219.112.
 - C) "Protocols for Generating Unit-Specific Emission Estimates for Equipment Leaks of VOC and VHAP", EPA-450/3-88-010, incorporated by reference in Section 219.112.

- D) "Petroleum Refinery Enforcement Manual", EPA-340/1-80-008, incorporated by reference in Section 219.122.
- h) Bulk Gasoline Delivery System Test Protocol
 - 1) The method for determining the emissions of gasoline from a vapor recovery system are delineated in 40 CFR 60, Subpart XX, Section 60.503, incorporated by reference in Section 219.112.
 - 2) Other tests shall be performed consistent with:
 - A) "Inspection Manual for Control of Volatile Organic Emissions from Gasoline Marketing Operations: Appendix D", EPA-340/1-80-012, incorporated by reference in Section 219.112.
 - B) "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals: Appendix A", EPA-450/2-77-026, incorporated by reference in Section 219.112.
 - i) Notwithstanding other requirements of this Part, upon request of the Agency where it is necessary to demonstrate compliance, an owner or operator of an emission source which is subject to this Part shall, at his own expense, conduct tests in accordance with the applicable test methods and procedures specified in this Part. Nothing in the Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

Section 219.106 Compliance Dates

Compliance with the requirements of all rules is required by May 15, 1992, consistent with the provisions of Section 219.103.

Section 219.107 Afterburners

The operation of any natural gas fired afterburner and capture system used to comply with this Part is not required during the period of November 1 of any year to April 1 of the following year provided that the operation of such devices is not required for purposes of occupational safety or health, or for the control of

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toxic substances, odor nuisances, or other regulated pollutants.

Section 219.108 Exemptions, Variations, and Alternative Means of Control or Compliance Determinations

Notwithstanding the provisions of any other Sections of this Part, any exemptions, variations or alternatives to the control requirements, emission limitations, or test methods set forth in this Part shall be effective only when approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.109 Vapor Pressure of Volatile Organic Liquids

- a) If the VOL consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOL is a mixture, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or by the following equation:

$$P_{vol} = \sum_{i=1}^n P_i X_i$$

where:

P_{vol} = Total vapor pressure of the mixture

n = Number of components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of a component determined in accordance with

Subpart A of this Part

X_i = Mole fraction of the component in the total mixture

Section 219.110 Vapor Pressure of Organic Material or Solvent

- a) If the organic material or solvent consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the organic material or solvent is in a mixture made up of both organic material compounds and compounds which are not organic material, the vapor pressure shall be determined by the following equation:

$$P_{om} = \frac{\sum_{i=1}^n P_i X_i}{\sum_{i=1}^n X_i}$$

where:

P_{om} = Total vapor pressure of the portion of the mixture which is composed of organic material

n = Number of organic material components in the mixture

i = Subscript denoting an individual component

P_i = Vapor pressure of an organic material component determined in accordance with

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Subpart A of this Part

X_i = Mole fraction of the organic material component of the total mixture

- c) If the organic material or solvent is in a mixture made up of only organic material compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or by the above equation.

Section 219.111 Vapor Pressure of Volatile Organic Material

- a) If the VOM consists of only a single compound, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or the vapor pressure may be obtained from a published source such as: Boublik, T., V. Fried and E. Hala, "The Vapor Pressure of Pure Substances," Elsevier Scientific Publishing Co., New York (1973); Perry's Chemical Engineer's Handbook, McGraw-Hill Book Company (1984); CRC Handbook of Chemistry and Physics, Chemical Rubber Publishing Company (1986-87); and Lange's Handbook of Chemistry, John A. Dean, editor, McGraw-Hill Book Company (1985).

- b) If the VOM is in a mixture made up of both VOM compounds and compounds which are not VOM, the vapor pressure shall be determined by the following equation:

$$P_{\text{VOM}} = \sum_{i=1}^n P_i X_i$$

$$\sum_{i=1}^n X_i$$

where:

P_{VOM} = Total vapor pressure of the portion of the mixture which is composed of VOM

n = Number of VOM components in the mixture

i = Subscript denoting an individual

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component

P_i = Vapor pressure of a VOM component determined in accordance with Subpart A of this Part

X_i = Mole fraction of the VOM component of the total mixture

- c) If the VOM is in a mixture made up of only VOM compounds, the vapor pressure shall be determined by ASTM Method D2879-86 (incorporated by reference in Section 219.112) or by the above equation.

Section 219.112 Incorporations by Reference

The following materials are incorporated by reference and do not contain any subsequent editions or amendments.

- a) American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:

- 1) ASTM D2879-86
- 2) ASTM D323-82
- 3) ASTM D86-82
- 4) ASTM D-369-69 (1971)
- 5) ASTM D-396-69
- 6) ASTM D2880-71
- 7) ASTM D-975-68
- 8) ASTM D3925-81 (1985)
- 9) ASTM E300-86
- 10) ASTM D1475-85
- 11) ASTM D2369-87
- 12) ASTM D3792-86
- 13) ASTM D4017-81 (1987)
- 14) ASTM D4457-85
- 15) ASTM D2697-86
- 16) ASTM D3980-87
- 17) ASTM E180-85
- 18) ASTM D2372-85
- 19) ASTM D97-66
- 20) ASTM E-168
- 21) ASTM E-169
- 22) ASTM E-260
- 23) ASTM D2504-83
- 24) ASTM D2382-83

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- b) Standard Industrial Classification Manual, published by Executive Office of the President, Office of Management and Budget, Washington, D.C., 1987.
- c) American Petroleum Institute Bulletin 2517, "Evaporation Loss From Floating Roof Tanks", Second ed., February, 1980.
- d) 40 CFR 60 (July 1, 1990).
- e) 40 CFR 61 (July 1, 1990).
- f) 40 CFR 50 (July 1, 1989).
- g) 40 CFR 51 (July 1, 1989).
- h) 40 CFR 52 (July 1, 1989).
- i) United States Environmental Protection Agency, Washington, D.C., EPA-340/1-86-016.
- j) United States Environmental Protection Agency, Washington D.C., EPA-450/3-84-019.
- k) United States Environmental Protection Agency, Washington D.C., EPA-340/1-88-003.
- l) United States Environmental Protection Agency, Washington D.C., EPA-450/3-88-018.
- m) United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-029.
- n) United States Environmental Protection Agency, Washington, D.C., EPA-450/2-78-051.
- o) United States Environmental Protection Agency, Washington, D.C., EPA-450/3-82-009.

SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section 219.121 Storage Containers

No person shall cause or allow the storage of any VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K

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(70°F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

- a) Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or,
- b) Is designed and equipped with one of the following vapor loss control devices:
 - 1) A floating roof which rests on the surface of the VOL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOL has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3°K (70°F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.
 - 2) A vapor recovery system consisting of:
 - A) A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and,
 - B) A vapor disposal system capable of processing such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.
 - 3) Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108.

Section 219.122

Loading Operations

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a) No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility having through-put of greater than 151 cubic meters per day (40,000 gal/day) into any railroad tank car, tank truck or trailer unless such loading facility is equipped with submerged loading pipes, submerged fill or a device that is equally effective in controlling emissions and is approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108.

b) No person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such tank is equipped with a permanent submerged loading pipe, submerged fill or an equivalent device approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108, or unless such tank is a pressure tank as described in Section 219.121(a) or is fitted with a recovery system as described in Section 219.121(b)(2).

c) Exception: If no odor nuisance exists the limitations of this Section shall only apply to the loading of VOL with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3°K (70°F).

Section 219.123 Petroleum Liquid Storage Tanks

a) The requirements of subsection (b) shall not apply to any stationary storage tank:

- 1) Equipped before January 1, 1979 with one of the vapor loss control devices specified in Section 219.121(b), except Section 219.121(b)(1);
- 2) With a capacity of less than 151.42 cubic meters (40,000 gal);
- 3) With a capacity of less than 1,600 cubic meters (422,400 gal) and used to store produced crude oil and condensate prior to custody transfer;

- 4) With a capacity of less than 1,430 cubic meters (378,000 gal) and used to store produced oil or condensate in crude oil gathering;
- 5) Subject to new source performance standards for storage vessels of petroleum liquid, 35 Ill. Adm. Code 230;
- 6) In which volatile petroleum liquid is not stored; or
- 7) Which is a pressure tank as described in Section 219.121(a).

b) Subject to subsection (a) no owner or operator of a stationary storage tank shall cause or allow the storage of any VOL in the tank unless:

- 1) The tank is equipped with one of the vapor loss control devices specified in Section 219.121(b);
- 2) There are no visible holes, tears or other defects in the seal or any seal fabric or material of any floating roof;
- 3) All openings of any floating roof deck, except stub drains, are equipped with covers, lids or seals such that:

- A) The cover, lid or seal is in the closed position at all times except when petroleum liquid is transferred to or from the tank;
- B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and
- C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting;

- 4) Routine inspections of floating roof seals are conducted through roof hatches once every six months;

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- 5) A complete inspection of the cover and seal of any floating roof tank is made whenever the tank is emptied for reasons other than the transfer of petroleum liquid during the normal operation of the tank, or whenever repairs are made as a result of any semi-annual inspection or incidence of roof damage or defect; and
- 6) A record of the results of each inspection conducted under subsection (b)(4) or (b)(5) is maintained.

- c) Owners and operators of petroleum liquid storage tanks were required to have compliance schedules as summarized in Appendix C to 35 Ill Adm. Code 215.

Section 219.124 External Floating Roofs

- a) In addition to meeting the requirements of Section 219.123(b), no owner or operator of a stationary storage tank equipped with an external floating roof shall cause or allow the storage of any volatile petroleum liquid in the tank unless:
 - 1) The tank has been fitted with a continuous secondary seal extending from the floating roof to the tank wall (rim mounted secondary seal) or any other device which controls VOM emissions with an effectiveness equal to or greater than a rim mounted secondary seal;
 - 2) Each seal closure device meets the following requirements:
 - A) The seal is intact and uniformly in place around the circumference of the floating roof between the floating roof and tank wall; and
 - B) The accumulated area of gaps exceeding 0.32 centimeter (1/8 inch) in width between the secondary seal and the tank wall shall not exceed 21.2 square centimeters per meter of tank diameter (1.0 square inches per foot of tank diameter).
 - 3) Emergency roof drains are provided with slotted

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- 4) Openings are equipped with projections into the tank which remain below the liquid surface at all times;
- 5) Inspections are conducted prior to May 1 of each year to insure compliance with subsection (a);
- 6) The secondary seal gap is measured prior to May 1 of each year;
- 7) Records of the types of volatile petroleum liquid stored, the maximum true vapor pressure of the liquid as stored, the results of the inspections and the results of the secondary seal gap measurements are maintained and available to the Agency, upon verbal or written request, at any reasonable time for a minimum of two years after the date on which the record was made.

- b) Subsection (a) does not apply to any stationary storage tank equipped with an external floating roof:

- 1) Exempted under Section 219.123(a)(2) through 219.123(a)(6);
- 2) Of welded construction equipped with a metallic type shoe seal having a secondary seal from the top of the shoe seal to the tank wall (shoe-mounted secondary seal);
- 3) Of welded construction equipped with a metallic type shoe seal, a liquid-mounted foam seal, a liquid-mounted liquid-filled-type seal, or other closure device of equivalent control efficiency approved by the Agency in which a petroleum liquid with a true vapor pressure less than 27.6 kPa (4.0 psia) at 294.3°K (70°F) is stored; or
- 4) Used to store crude oil with a pour point of 50°F or higher as determined by ASTM Standard D97-66 incorporated by reference in Section 219.112.

Section 218.125 Compliance Dates

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No person shall cause or allow the discharge of more than 32.8 ml (2 cu in) of VOL with vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3 K (70°F) into the atmosphere from any pump or compressor in any 15 minute period at standard conditions.

Section 219.143

- Section 219.143 Vapor Blowdown
- No person shall cause or allow the emission of organic material into the atmosphere from any vapor blowdown system or any safety relief valve, except such safety relief valves not capable of causing an excessive release, unless such emission is controlled:
- a) To 10 ppm equivalent methane (molecular weight 16.0) or less; or,
 - b) By combustion in a smokeless flare; or,

Section 219.144

Safety Relief Valves

- Section 219.143 shall not apply to any set of unregulated safety relief valves capable of causing excessive releases, provided the owner or operator thereof, by October 1, 1972, supplied the Agency with the following:

- 1) Dates on which excessive releases occurred from each such set;
- 2) Duration in minutes of each such excessive release;
- 3) Quantities (in pounds) of mercaptans and/or

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hydrogen sulfide emitted into the atmosphere during each such excessive release.

- b) Proof, using such three-year historical records, that no excessive release is likely to occur from any such set either alone or in combination with such excessive releases from other sets owned or operated by the same person and located within a ten-mile radius from the center point of any such set, more frequently than 3 times in any 12 month period;
- c) Accurate maintenance records pursuant to the requirements of subsection (a);
- d) Proof, at three-year intervals, using such three-year historical records, that such set conforms to the requirements of subsection (c).

SUBPART E: SOLVENT CLEANING

Section 219.181 Solvent Cleaning in General

The requirements of this Subpart shall apply to all cold cleaning, open top vapor degreasing, and conveyorized degreasing operations.

Section 219.182 Cold Cleaning

- a) Operating Procedures: No person shall operate a cold cleaning degreaser unless:
 - 1) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 2) The cover of the degreaser is closed when parts are not being handled; and
 - 3) Parts are drained until dripping ceases.
- b) Equipment Requirements: No person shall operate a cold cleaning degreaser unless:
 - 1) The degreaser is equipped with a cover which is closed whenever parts are not being handled in the

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cleaner. The cover shall be designed to be easily operated with one hand or with the mechanical assistance of springs, counter-weights or a powered system if:

- A) The solvent vapor pressure is greater than 2 kPa (15 mmHg or 0.3 psi) measured at 38°C (100°F);
- B) The solvent is agitated; or
- C) The solvent is heated above ambient room temperature.

- 2) The degreaser is equipped with a facility for draining cleaned parts. The drainage facility shall be constructed so that parts are enclosed under the cover while draining unless:

- A) The solvent vapor pressure is less than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F); or
- B) An internal drainage facility cannot be fitted into the cleaning system, in which case the drainage facility may be external.

- 3) The degreaser is equipped with one of the following control devices if the vapor pressure of the solvent is greater than 4.3 kPa (32 mmHg or 0.6 psi) measured at 38°C (100°F) or if the solvent is heated above 50°C (120°F) or its boiling point:

- A) A freeboard height of 7/10 of the inside width of the tank or 91 cm (36 in), whichever is less; or
- B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 219.108. Such a system may include a water cover, refrigerated chiller or carbon adsorber.

- 4) A permanent conspicuous label summarizing the

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operating procedure is affixed to the degreaser;
and

- 5) If a solvent spray is used, the degreaser is equipped with a solid fluid stream spray, rather than a fine, atomized or shower spray.

Section 219.183 Open Top Vapor Degreasing

- a) Operating Requirements: No person shall operate an open top vapor degreaser unless:
- 1) The cover of the degreaser is closed when workloads are not being processed through the degreaser;
 - 2) Solvent carryout emissions are minimized by:
 - A) Racking parts to allow complete drainage;
 - B) Moving parts in and out of the degreaser at less than 3.3 m/min (11 ft/min);
 - C) Holding the parts in the vapor zone until condensation ceases;
 - D) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone;
 - E) Allowing parts to dry within the degreaser until visually dry.
 - 3) Porous or absorbent materials, such as cloth, leather, wood or rope are not degreased;
 - 4) Less than half of the degreaser's open top area is occupied with a workload;
 - 5) The degreaser is not loaded to the point where the vapor level would drop more than 10 cm (4 in) when the workload is removed from the vapor zone;
 - 6) Spraying is done below the vapor level only;
 - 7) Solvent leaks are repaired immediately;

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- 8) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
 - 9) Water is not visually detectable in solvent exiting from the water separator; and
 - 10) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreaser open area is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.).
- b) Equipment Requirements: No person shall operate an open top vapor degreaser unless:
- 1) The degreaser is equipped with a cover designed to open and close easily without disturbing the vapor zone;
 - 2) The degreaser is equipped with the following switches:
 - A) A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level; and
 - B) A device which shuts off the spray pump if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
 - C) A device which shuts off the sump heat source when the vapor level exceeds the design level.
 - 3) A permanent conspicuous label summarizing the operating procedure is affixed to the degreaser;
 - 4) The degreaser is equipped with one of the following devices:
 - A) A freeboard height of 3/4 of the inside width

of the degreaser tank or 91 cm (36 in), whichever is less; and if the degreaser opening is greater than 1 square meter (10.8 ft²), a powered or mechanically assisted cover; or

- B) Any other equipment or system of equivalent emission control as approved by the Agency and further processed consistent with Section 219.108. Such equipment or system may include a refrigerated chiller, an enclosed design or a carbon adsorption system.

Section 219.184

Conveyorized Degreasing

- a) Operating Requirements: No person shall operate a conveyorized degreaser unless:

- 1) Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of area of loading and unloading opening is not used, unless necessary to meet the requirements of the Occupational Safety and Health Act (29 U.S.C. Section 651 et seq.);
- 2) Solvent carryout emissions are minimized by:
 - A) Racking parts for best drainage; and
 - B) Maintaining the vertical conveyor speed at less than 3.3 m/min (11 ft/min);
- 3) Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
- 4) Solvent leaks are repaired immediately;
- 5) Water is not visually detectable in solvent exiting from the water separator; and
- 6) Downtime covers are placed over entrances and exits of conveyorized degreasers immediately after the conveyors and exhausts are shut down and not removed until just before start-up.

- b) Equipment Requirements: No person shall operate a conveyorized degreaser unless:

- 1) The degreaser is equipped with a drying tunnel, rotating (tumbling) basket or other equipment sufficient to prevent cleaned parts from carrying out solvent liquid or vapor;
- 2) The degreaser is equipped with the following switches:
 - A) A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level;
 - B) A device which shuts off the spray pump or the conveyor if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
 - C) A device which shuts off the sump heat source when the vapor level exceeds the design level;
- 3) The degreaser is equipped with openings for entrances and exits that silhouette workloads so that the average clearance between the parts and the edge of the degreaser opening is less than 10 cm (4 in) or less than 10 percent of the width of the opening;
- 4) The degreaser is equipped with downtime covers for closing off entrances and exits when the degreaser is shut down; and
- 5) The degreaser is equipped with one of the following control devices, if the air/vapor interface is larger than 2.0 square meters (21.6 ft²):
 - A) A carbon adsorption system with ventilation greater than or equal to 15 cubic meters per minute per square meter (50 cubic feet per minute per square foot) of air/vapor area

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when downtime covers are open, and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle; or

- B) Any other equipment or system of equivalent emission control as approved by the Agency, and further processed consistent with Section 219.108. Such equipment or system may include a refrigerated chiller.

Section 219.185 Compliance Schedule

Every owner or operator of an emission source which was previously exempt from the requirements of Subpart E of 35 Ill. Adm. Code 215 (Sections 215.182-215.184) because it satisfied the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b), shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106. A source which did not satisfy the criteria in either 35 Ill. Adm. Code 215.181(a) or 35 Ill. Adm. Code 215.181(b) shall comply with the requirements of this Subpart upon adoption.

Section 219.186 Test Methods

The following test methods shall be used to demonstrate compliance with this Subpart:

- a) Vapor pressures shall be determined by using the procedure specified in Section 219.110.
- b) Exhaust ventilation rates shall be determined by using the procedures specified in Section 219.105(f)(3).
- c) The performance of control devices shall be determined by using the procedures specified in Section 219.105(f).

SUBPART F: COATING OPERATIONS

Section 219.204 Emission Limitations for Manufacturing Plants

Except as provided in Section 219.208, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. The following emission limitations are expressed in units of VOM per volume of coating (minus water and

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any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition.

Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.211(c). (Note: The regulation presented in Section 219.206 shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emissions trades and cross-line averaging.) The emission limitations are as follows:

	Automobile or Light-Duty Truck Coating	kg/l	lb/gal
a)			
1)	Prime coat	0.14	(1.2)
2)	Prime surfacer coat	0.34	(2.8)

(Note: The prime surfacer coat limitation is based upon a transfer efficiency of 30 percent. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.)

3)	Topcoat	1.81	(15.1)
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(Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average VOM content from the entire topcoat operation (all topcoat spray booths, flash-off areas and bake ovens). Compliance shall be demonstrated in accordance with the topcoat protocol for automobiles and light-duty trucks referenced in Section 219.105(b). Section 219.205 does not apply to the topcoat limitation.) At least 180 days prior to the initial compliance date, the owner or operator of a coating line subject to the topcoat limitation shall have submitted to the USEPA a detailed proposal specifying the method of demonstrating compliance with the protocol. The proposal shall have included, at a minimum, a comprehensive plan (including a rationale)

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for determining the transfer efficiency at each booth through the use of in-plant or pilot testing; the selection of coatings to be tested (for the purpose of determining transfer efficiency) including the rationale for coating groupings; and the method for determining the analytic VOM content of as applied coatings and the formulation solvent content of as applied coatings. Upon approval of the protocol by the USEPA, the source may proceed with the compliance demonstration.

	kg/l	lb/gal
4) Final repair coat	0.58	(4.8)
b) Can Coating	kg/l	lb/gal
1) Sheet basecoat and overvarnish	0.34	(2.8)
2) Exterior basecoat and overvarnish	0.34	(2.8)
3) Interior body spray coat	0.51	(4.2)
4) Exterior end coat	0.51	(4.2)
5) Side seam spray coat	0.66	(5.5)
6) End sealing compound coat	0.44	(3.7)

	kg/l	lb/gal
c) Paper Coating	0.35	(2.9)

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Sections 219.401 through 219.404.)

	kg/l	lb/gal
d) Coil Coating	0.31	(2.6)

e) Fabric Coating	0.35	(2.9)
f) Vinyl Coating	0.45	(3.8)
g) Metal Furniture Coating	0.36	(3.0)
h) Large Appliance Coating	0.34	(2.8)

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

	kg/l	lb/gal
i) Magnet Wire Coating	0.20	(1.7)
j) Miscellaneous Metal Parts and Products Coating		

1) Clear coating	0.52	(4.3)
2) Air-dried coating	0.42	(3.5)
3) Extreme performance coating	0.42	(3.5)
4) All other coatings	0.36	(3.0)

kg/l lb/gal

k) Heavy Off-Highway Vehicle Products Coating		
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1) Extreme performance prime coat	0.42	(3.5)
2) Extreme performance top-coat (air dried)	0.42	(3.5)
3) Final repair coat (air dried)	0.42	(3.5)

4) All other coatings are subject to the emission limitations for miscellaneous metal parts and

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products coatings in subsection (j) above.

	kg/l	lb/gal
1) Wood Furniture Coating		
1) Clear topcoat	0.67	(5.6)
2) Opaque stain	0.56	(4.7)
3) Pigmented coat	0.60	(5.0)
4) Repair coat	0.67	(5.6)
5) Sealer	0.67	(5.6)
6) Semi-transparent stain	0.79	(6.6)
7) Wash coat	0.73	(6.1)

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell- or disc- spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, or dip coating application system.)

Section 219.205

Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 219.204 and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e) or (f) (depending upon the source category) through the applicable coating analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.211(d):

- a) No owner or operator of a coating line subject to only

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one of the limitations from among Section 219.204(a)(1), (a)(2), (a)(4), (c), (d), (e), (f), (g), (h), or (i) shall apply coatings on any such coating line, during any day, whose daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.

- b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 219.204(j) shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) below are met.

- 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(j) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

- 2) For each coating line which applies coatings from more than one of the four coating categories in Section 219.204(j) above, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy), 51 Fed.Reg. 43814 (December 4, 1986), must be satisfied.

- c) No owner or operator of a can coating facility subject to the limitations of Section 215.204(b) shall operate the subject coating facility using a coating with a VOM content in excess of the limitations specified in Section 215.204(b) unless all of the following requirements are met:

- 1) An alternative daily emission limitation shall be determined according to subsection (c)(2) below. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

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$$E_d = \sum_{i=1}^n V_i C_i$$

where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day)

i = Subscript denoting a specific coating applied

n = Total number of coatings applied in the can coating operation

V_i = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

2) The alternative daily emission limitation (A_d) shall be determined on a daily basis as follows:

$$A_d = \sum_{i=1}^n V_i L_i \frac{(D_i - C_i)}{(D_i - L_i)}$$

where:

A_d = The VOM emissions allowed for the day in units of kg/day (lbs/day)

i = Subscript denoting a specific coating applied

n = Total number of surface coatings applied in the can coating operation

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C_i = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

D_i = The density of VOM in each coating applied. For the purposes of calculating A_d , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM)

V_i = Volume of each surface coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

L_i = The VOM emission limitation for each surface coating applied as specified in Section 219.204(b) in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 219.204(k) shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) below are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(k) above, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(k) above, during the same day, the owner or operator shall have a site

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specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

- e) No owner or operator of a wood furniture coating line subject to the limitations of Section 219.204(1) shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or (e)(2), in addition to the requirements specified in the note to Section 219.204(1), are met.

- 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(1) above, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

- 2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(1) above, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

Section 219.206 Solids Basis Calculation

Limitations in terms of kg (lbs) of VOM emissions per 1 (gal) of solids as applied at each coating applicator shall be determined by the following equation:

$$S = \frac{C}{1 - (C/D)}$$

where:

S = The limitation on VOM emissions in terms of kg VOM/1 (lbs VOM/gal) of solids

C = The limitation on VOM emissions in terms of kg/l (lbs/gal) of coating (minus water and any compounds which are specifically excluded from the definition of VOM) specified in Section 219.204

D = The density of VOM in the coating. For the purposes of calculating S, the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM)

Section 219.207

Alternative Emission Limitations

- a) Any owner or operator of a coating line subject to Section 219.204 may comply with this Section, rather than with Section 219.204, if a capture system and control device are operated at all times and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g) or (h) (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 219.105 and the recordkeeping and reporting requirements specified in Section 219.211(e); and the control device is equipped with the applicable monitoring equipment specified in Section 219.105(d) and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g) or (h) may be used as an alternative to compliance with Section 219.204 only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

- b) Alternative Add-On Control Methodologies

- 1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or

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- 2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 219.204. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency is to be determined as follows:

- A) obtain the emission limitation from the appropriate subsection in Section 219.204,
- B) calculate "S" according to the equation in Section 219.206,
- C) calculate the overall efficiency required according to Section 219.105(e). For the purposes of calculating this value, according to the equation in Section 219.105(e)(2), VOM_i is equal to the value of "S" as determined above in subsection (b)(2)(B).

- c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 219.204(a)(1), (a)(2), (a)(4), (c), (d), (e), (f), (g), (h) or (i) and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met. No owner or operator of a coating line subject to Section 219.204(a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with the topcoat limitation in accordance with the topcoat protocol for automobile or light-duty trucks referenced in Section 219.105(b).

- d) No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject

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to the same numerical emission limitation within Section 219.204(j) (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(k) (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above are met.

- f) No owner or operator of a wood furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(l) (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) are met. If compliance is achieved by meeting the requirements in subsection (b)(2), then the provisions in the note to Section 219.204(1) must also be met.

- g) No owner or operator of a can coating facility equipped with a capture system and control device shall operate the subject coating facility unless the requirements in subsection (h)(1) or (h)(2) below are met.

- 1) An alternative daily emission limitation shall be determined according to Section 219.205(c)(2). Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E_d = \sum_{i=1}^n V_i C_i (1-F_i)$$

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where:

E_d = Actual VOM emissions for the day in units of kg/day (lbs/day)

i = Subscript denoting the specific coating applied

n = Total number of surface coatings as applied in the can coating operation

V_i = Volume of each coating as applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

C_i = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) and

F_i = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device

- 2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

Section 219.208

Exemptions From Emission Limitations

- a) Exemptions for all source categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines within a facility, that otherwise would be subject to the same subsection of Section 219.204 (because they belong to the same source category, e.g. can coating), provided that combined actual emissions of VOM from all lines at the

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facility subject to that subsection never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices. (For example, can coating lines within a plant would not be subject to the limitations of Section 219.204(b) if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any owner or operator of a coating facility shall comply with the applicable coating analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.211(a) if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 219.204. Once a category of coating lines at a facility is subject to the limitations in Section 219.204, the coating lines are always subject to the limitations in Section 219.204.

b) Applicability for wood furniture coating

- 1) The limitations of this Subpart shall apply to a plant's wood furniture coating lines if the plant contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(1)), H (excluding Section 219.405), Q, R, S, V, X, Y, or Z of this Part, which as a group both:
- A) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
 - B) are not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable construction

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permit or SIP revision.

- 2) If a plant ceases to fulfill the criteria of subsection (b)(1), the limitations of Section 219.204(1) shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 219.204(1).
- 3) For the purposes of subsection (b), an emission source shall be considered regulated by a Subpart if it is subject to the limitations of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- 4) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection (b) shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that document that the coating line is exempt from the limitations of this Subpart.

Section 219.209 Exemption From General Rule on Use of Organic Material

No owner or operator of a coating line subject to the limitations of Section 219.204 is required to meet the limitations of Subpart G (Section 219.301 or 219.302) of this Part, after the date by which the coating line is required to meet Section 219.204.

Section 219.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 219.204) shall comply with the requirements of Section 219.204, 219.207 or 219.208 and Section 219.211 in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a coating line which is exempt from the limitations of Section 219.204 because of the criteria in Section 219.208(a) shall operate said coating line on or after a date consistent with Section

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219.106, unless the owner or operator has complied with, and continues to comply with, Section 219.211(b). Wood furniture coating lines are not subject to Section 219.211(b).

- b) No owner or operator of a coating line complying by means of Section 219.204 shall operate said coating line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Sections 219.204 and 219.211(c).
- c) No owner or operator of a coating line complying by means of Section 219.205 shall operate said coating line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Sections 219.205 and 219.211(d).
- d) No owner or operator of a coating line complying by means of Section 219.207 shall operate said coating line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Sections 219.207 and 219.211(e).

Section 219.211 Recordkeeping and Reporting

- a) The VOM content of each coating and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 219.105 to establish the records required under this Section.

- b) Any owner or operator of a coating line which is exempted from the limitations of Section 219.204 because of Section 219.208(a) shall comply with the following:

- 1) By a date consistent with Section 219.106, the owner or operator of a facility referenced in this subsection shall certify to the Agency that the facility is exempt under the provisions of Section 219.208(a). Such certification shall include:
 - A) A declaration that the facility is exempt

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from the limitations of Section 219.204 because of Section 219.208(a); and

- B) Calculations which demonstrate that the combined VOM emissions from all coating lines at the facility never exceed 6.8 kg (15 lbs) per day before the application of capture systems and control devices. The following equation shall be used to calculate total VOM emissions:

$$T_e = \sum_{j=1}^m \sum_{i=1}^n (A_i B_i);$$

where:

T_e = Total VOM emissions from coating lines at a facility each day before the application of capture systems and control devices in units of kg/day (lbs/day)

m = Number of coating lines at the facility

j = Subscript denoting an individual coating line

n = Number of different coatings as applied each day on each coating line at the facility

i = Subscript denoting an individual coating

A_i = Weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line at the facility in units of kg VOM/l (lbs VOM/gal)

B_i = Volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as

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applied each day on each coating line at the facility in units of l/day (gal/day). The instrument or method by which the owner or operator accurately measured or calculated the volume of each coating as applied on each coating line each day shall be described in the certification to the Agency

- 2) On and after a date consistent with Section 219.106, the owner or operator of a facility referenced in this subsection shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a facility exempted from the limitations of Section 219.204 because of Section 219.208(a) shall notify the Agency of any record showing that total VOM emissions from the coating facility exceed 6.8 kg (15 lbs) in any day before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

- c) Any owner or operator of a coating line subject to the limitations of Section 219.204 and complying by means of Section 219.204 shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new coating line, or upon changing the method of compliance from an existing subject coating line from Section 219.205 or Section 219.207 to Section 219.204; the owner or operator of a subject coating line shall certify

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to the Agency that the coating line will be in compliance with Section 219.204 on and after a date consistent with Section 219.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) For coating lines subject to Section 219.204(a)(3), certification shall include:
 - i) The name and identification number of each coating line which will comply by means of Section 219.204(a)(3),
 - ii) The name and identification number of each coating as applied on each coating line,
 - iii) The weight of VOM per volume of each coating as applied on each coating line,
 - iv) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line,
 - v) The method by which the owner or operator will create and maintain records each day as required in subsection (c)(2) below for coating lines subject to Section 219.204(a)(3),
 - vi) An example format in which the records required in subsection (c)(2) below for coating lines subject to Section 219.204(a)(3).

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- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a coating line subject to the limitations of Section 219.204 and complying by means of Section 219.204 shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:
 - A) The name and identification number of each coating as applied on each coating line.
 - B) The weight of VOM per volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
 - C) For coating lines subject to Section 219.204(a)(3), the owner or operator shall maintain all records necessary to calculate the daily-weighted average VOM content from the coating line in accordance with the proposal submitted, and approved by the USEPA, pursuant to Section 219.204(a)(3).

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:
 - A) Any record showing violation of Section 219.204 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation, except that any record showing a violation of Section 219.204(a)(3) shall be reported by sending a copy of such record to the Agency within 15 days from the end of the month in which the violation occurred.
 - B) At least 30 calendar days before changing the method of compliance with Section 219.204 from Section 219.204 to Section 219.205 or Section 219.207, the owner or operator shall

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comply with all requirements of subsection (d)(1) or (e)(1) below, respectively. Upon changing the method of compliance with Section 219.204 from Section 219.204 to Section 219.205 or Section 219.207, the owner or operator shall comply with all requirements of subsection (d) or (e), respectively.

- C) For coating lines subject to Section 219.204(a)(3), the owner or operator shall notify the Agency of any change to the topcoating operation at least 30 days before the change is effected. The Agency shall determine whether or not recertification testing is required. If the Agency determines that recertification testing is required, then the owner or operator shall submit a proposal to the Agency to test within 30 days and retest within 30 days of the Agency's approval of the proposal.

- d) Any owner or operator of a coating line subject to the limitations of Section 219.204 and complying by means of Section 219.205 shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing subject coating line from Section 219.204 or Section 219.207 to Section 219.205; the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance with Section 219.205 on and after a date consistent with Section 219.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of Section 219.205.
- B) The name and identification number of each coating as applied on each coating line.
- C) The weight of VOM per volume and the volume

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of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (d)(2).
- F) An example of the format in which the records required in subsection (d)(2) will be kept.
- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a coating line subject to the limitations of Section 219.204 and complying by means of Section 219.205, shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 219.104.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of Section

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219.205 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

- B) At least 30 calendar days before changing the method of compliance with this subpart from Section 219.205 to Section 219.204 or Section 219.207, the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1), respectively. Upon changing the method of compliance with this subpart from Section 219.205 to Section 219.204 or Section 219.207, the owner shall comply with the requirements of subsection (c) or (e), respectively.

- e) Any owner or operator of a coating line subject to the limitations of Section 219.207 and complying by means of Section 219.207(c), (d), (e), (f), (g) or (h) shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new coating line, or upon changing the method of compliance for an existing coating line from Section 219.204 or Section 219.205 to Section 219.207, the owner or operator of the subject coating line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject coating line will be in compliance with Section 219.207 on and after a date consistent with Section 219.106, or on and after the initial start-up date.

- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a coating line subject to the limitations of Section 219.207 and complying by means of Section 219.207(c), (d), (e), (f), (g), or (h) shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The weight of VOM per volume of coating solids as applied each day on each coating

line, if complying pursuant to Section 219.207(b)(2).

- B) Control device monitoring data.
- C) A log of operating time for the capture system, control device, monitoring equipment and the associated coating line.
- D) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.207 shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with this Subpart from Section 219.207 to Section 219.204 or Section 219.205, the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1) of this Section, respectively. Upon changing the method of compliance with this subpart from Section 219.207 to Section 219.204 or Section 219.205, the owner or operator shall comply with all requirements of subsection (c) or (d) of this Section, respectively.

SUBPART G: USE OF ORGANIC MATERIAL

Section 219.301 Use of Organic Material

No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission source, except as provided in Sections 219.302, 219.303, 219.304 and the following exception: If no odor nuisance exists

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the limitation of this Subpart shall apply only to photochemically reactive material.

Section 219.302 Alternative Standard

Emissions of organic material in excess of those permitted by Section 219.301 are allowable if such emissions are controlled by one of the following methods:

- a) Flame, thermal or catalytic incineration so as either to reduce such emissions to 10 ppm equivalent methane (molecular weight 16) or less, or to convert 85 percent of the hydrocarbons to carbon dioxide and water; or
- b) A vapor recovery system which adsorbs and/or condenses at least 85 percent of the total uncontrolled organic material that would otherwise be emitted to the atmosphere; or
- c) Any other air pollution control equipment approved by the Agency and approved by the USEPA as a SIP revision capable of reducing by 85 percent or more the uncontrolled organic material that would be otherwise emitted to the atmosphere.

Section 219.303 Fuel Combustion Emission Sources

The provisions of Sections 219.301 and 219.302 shall not apply to fuel combustion emission sources.

Section 219.304 Operations with Compliance Program

The provisions of Sections 219.301 and 219.302 shall not apply to any owner, operator, user or manufacturer of paint, varnish, lacquer, coatings or printing ink whose compliance program and project completion schedule, as required by 35 Ill. Adm. Code 201, provided for the reduction of organic material used in such process to 20 percent or less of total volume by May 30, 1977.

SUBPART H: PRINTING AND PUBLISHING

Section 219.401 Flexographic and Rotogravure Printing

- a) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply at any time any coating or

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ink unless the VOM content does not exceed the limitation specified in either subsection (a)(1) or (a)(2) below. Compliance with this Section must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.404(c). As an alternative to compliance with this subsection, a subject printing line may meet the requirements of subsection (b) or (c) below.

- 1) Forty percent VOM by volume of the coating and ink (minus water and any compounds which are specifically exempted from the definition of VOM), or
- 2) Twenty-five percent VOM by volume of the volatile content in the coating and ink.

- b) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line shall apply coatings or inks on the subject printing line unless the weighted average, by volume, VOM content of all coatings and inks as applied each day on the subject printing line does not exceed the limitation specified in either subsection (a)(1) (as determined by subsection (b)(1)) or subsection (a)(2) (as determined by subsection (b)(2)). Compliance with this subsection must be demonstrated through the applicable coating or ink analysis test methods and procedures specified in Section 219.105(a) and the recordkeeping and reporting requirements specified in Section 219.404(d).

- 1) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation

$$VOM_{(1)(A)} = \frac{\sum_{i=1}^n C_i L_i (V_{si} + V_{VOMi})}{\sum_{i=1}^n L_i (V_{si} + V_{VOMi})}$$

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Where:

$VOM_{(1)(a)}$ = The weighted average VOM content in units of percent VOM by volume of all coatings and inks (minus water and any compounds which are specifically exempted from the definition of VOM) used each day

i = Subscript denoting a specific coating or ink as applied

n = The number of different coatings and/or inks as applied each day on a printing line

C_i = The VOM content in units of percent VOM by volume of each coating or ink as applied (minus water and any compounds which are specifically exempted from the definition of VOM)

L_i = The liquid volume of each coating or ink as applied in units of 1 (gal)

V_{si} = The volume fraction of solids in each coating or ink as applied

V_{VOMi} = The volume fraction of VOM in each coating or ink as applied

- 2) The following equation shall be used to determine if the weighted average VOM content of all coatings and inks as applied each day on the subject printing line exceeds the limitation specified in subsection (a)(2).

$$VOM_{(1)(a)} = \frac{\sum_{i=1}^n C_i L_i V_{VOMi}}{\sum_{i=1}^n C_i L_i V_{VOMi}}$$

$$\sum_{i=1}^n L_i V_{VOMi}$$

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where:

$VOM_{(1)(a)}$ = The weighted average VOM content in units of percent VOM by volume of the volatile content of all coatings and inks used each day

i = Subscript denoting a specific coating or ink as applied

n = The number of different coatings and/or inks as applied each day on each printing line

C_i = The VOM content in units of percent VOM by volume of the volatile matter in each coating or ink as applied

L_i = The liquid volume of each coating or ink as applied in units of 1 (gal)

V_{VOMi} = The volume fraction of volatile matter in each coating or ink as applied.

- c) No owner or operator of a subject flexographic, packaging rotogravure or publication rotogravure printing line equipped with a capture system and control device shall operate the subject printing line unless the owner or operator meets the requirements in subsection (c)(1), (c)(2), or (c)(3) and subsections (c)(4), (c)(5) and (c)(6) below.

- 1) A carbon adsorption system is used which reduces the captured VOM emissions by at least 90 percent by weight, or
- 2) An incineration system is used which reduces the captured VOM emissions by at least 90 percent by weight, or
- 3) An alternative VOM emission reduction system is used which is demonstrated to have at least a 90 percent control device efficiency, approved by

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the Agency and approved by USEPA as a SIP revision, and

- 4) The printing line is equipped with a capture system and control device that provides an overall reduction in VOM emissions of at least:

- A) 75 percent where a publication rotogravure printing line is employed, or
- B) 65 percent where a packaging rotogravure printing line is employed, or
- C) 60 percent where a flexographic printing line is employed, and

- 5) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and

- 6) The capture system and control device are operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this subsection by using the applicable capture system and control device test methods and procedures specified in Section 219.105(c) through Section 219.105(f) and by complying with the recordkeeping and reporting requirements specified in Section 219.404(e).

Section 219.402 Applicability

- a) The limitations of Section 219.401 apply to all flexographic and rotogravure printing lines at a subject facility. All facilities with flexographic and/or rotogravure printing lines are subject facilities unless:

- 1) Total maximum theoretical emissions of VOM from all flexographic and rotogravure printing line(s) at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices, or

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- 2) A federally enforceable construction permit or SIP revision for all flexographic and rotogravure printing line(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all flexographic and rotogravure printing line(s) to 90.7 Mg (100 tons) or less per calendar year before the application of capture systems and control devices.

- b) Upon achieving compliance with this Subpart, the emission source is not required to meet Subpart G (Sections 219.301 or 219.302). Emission sources exempt from this Subpart are subject to Subpart G (Sections 219.301 or 215.302). Rotogravure or flexographic equipment used for both roll printing and paper coating is subject to this Subpart.

- c) Once subject to the limitations of Section 219.401, a flexographic or rotogravure printing line is always subject to the limitations of Section 219.401.

- d) Any owner or operator of any flexographic or rotogravure printing line that is exempt from the limitations of Section 219.401 because of the criteria in this Section is subject to the recordkeeping and reporting requirements specified in Section 219.404(b).

Section 219.403 Compliance Schedule

Every owner or operator of a flexographic and/or rotogravure printing line shall comply with the applicable requirements of Section 219.401 and Section 219.404 in accordance with the applicable compliance schedule specified in subsection (a), (b), (c) or (d) below:

- a) No owner or operator of a flexographic or rotogravure printing line which is exempt from the limitations of Section 219.401 because of the criteria in Section 219.402 shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Section 219.404(b).
- b) No owner or operator of a flexographic or rotogravure

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printing line complying by means of Section 219.401(a) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Section 219.401(a) and Section 219.404(c).

c) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 219.401(b) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Section 219.401(b) and Section 219.404(d).

d) No owner or operator of a flexographic or rotogravure printing line complying by means of Section 219.401(c) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, Section 219.401(c) and Section 219.404(e).

Section 219.404 Recordkeeping and Reporting

- a) The VOM content of each coating and ink and the efficiency of each capture system and control device shall be determined by the applicable test methods and procedures specified in Section 219.105 to establish the records required under this Section.
- b) Any owner or operator of a printing line which is exempted from the limitations of Section 219.401 because of the criteria in Section 219.402 shall comply with the following:
 - 1) By a date consistent with Section 219.106, the owner or operator of a facility to which this subsection is applicable shall certify to the Agency that the facility is exempt under the provisions of Section 219.402. Such certification shall include:
 - A) A declaration that the facility is exempt from the limitations of the criteria in Section 219.401 because of Section 219.402, and
 - B) Calculations which demonstrate that total

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maximum theoretical emissions of VOM from all flexographic and rotogravure printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices. Total maximum theoretical emissions of VOM for a flexographic or rotogravure printing facility is the sum of maximum theoretical emissions of VOM from each flexographic and rotogravure printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year before the application of capture systems and control devices for each flexographic and rotogravure printing line at the facility:

$$E_p = A \times B$$

where:

E_p = Total maximum theoretical emissions of VOM from one flexographic or rotogravure printing line in units of kg/year (lbs/year)

A = Weight of VOM per volume of solids of the coating or ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of coating or ink solids

B = Total volume of solids for all coatings and inks that can potentially be applied each year on the printing line in units of l/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each coating and ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency

- 2) On and after a date consistent with Section

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219.106, the owner or operator of a facility referenced in this subsection shall collect and record all of the following information each year for each printing line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating and ink as applied on each printing line.
- B) The VOM content and the volume of each coating and ink as applied each year on each printing line.
- 3) On and after a date consistent with Section 219.106, the owner or operator of a facility exempted from the limitations of Section 219.401 because of the criteria in Section 219.402 shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year before the application of capture systems and control devices by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

c) Any owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(a) shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new printing line, or upon changing the method of compliance from an existing subject printing line from Section 219.401(b) or Section 219.401(c) to Section 219.401(a), the owner or operator of a subject printing line shall certify to the Agency that the printing line will be in compliance with Section 219.401(a) on and after a date consistent with Section 219.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating and ink as applied on each printing line.

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- B) The VOM content of each coating and ink as applied each day on each printing line.
- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(a) shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating and ink as applied on each printing line.

- B) The VOM content of each coating and ink as applied each day on each printing line.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(a) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 219.401 from Section 219.401(a) to Section 219.401(b) or (c), the owner or operator shall comply with all requirements of subsection (b)(1) or (c)(1), respectively. Upon changing the method of compliance with Section 219.401 from Section 219.401(a) to Section 219.401(b) or (c), the owner or operator shall comply with all requirements of subsection (b) or (c), respectively.

- d) Any owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means

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of Section 219.401(b) shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing subject printing line from Section 219.401(a) or (c) to Section 219.401(b), the owner or operator of the subject printing line shall certify to the Agency that the printing line will be in compliance with Section 219.401(b) on and after a date consistent with Section 219.106, or on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each printing line which will comply by means of Section 219.401(b).
- B) The name and identification number of each coating and ink available for use on each printing line.
- C) The VOM content of each coating and ink as applied each day on each printing line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating and ink as applied each day on each printing line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2).
- F) An example of the format in which the records required in subsection (b)(2) will be kept.

- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(b) shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:

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- A) The name and identification number of each coating and ink as applied on each printing line.
 - B) The VOM content and the volume of each coating and ink as applied each day on each printing line.
 - C) The daily-weighted average VOM content of all coatings and inks as applied on each printing line.
- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(b) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 219.401 from Section 219.401(b) to Section 219.401(a) or 219.401(c), the owner or operator shall comply with all requirements of subsection (c)(1) or (e)(1), respectively. Upon changing the method of compliance with Section 219.401 from Section 219.401(b) to Section 219.401(a) or (c), the owner or operator shall comply with all requirements of subsection (c) or (e), respectively.

- e) Any owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(c) shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from Section 219.401(a) or (b) to Section 219.401(c), the owner or operator of the subject printing line shall perform all tests and

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submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with Section 219.401(c) on and after a date consistent with Section 219.106, or on and after the initial start-up date.

- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of Section 219.401 and complying by means of Section 219.401(c) shall collect and record all of the following information each day for each printing line and maintain the information at the facility for a period of three years:
- A) Control device monitoring data.
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated printing line.
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- A) Any record showing violation of Section 219.401(c), shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Section 219.401 from Section 219.401(c) to Section 219.401(a) or (b), the owner or operator shall comply with all requirements of subsection (c)(1) or (d)(1), respectively. Upon changing the

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method of compliance with Section 219.401 from Section 219.401(c) to Section 219.401(a) or (b), the owner or operator shall comply with all requirements of subsection (c) or (d), respectively.

Section 219.405 Heatset-Web-Offset Lithographic Printing

a) Applicability

- 1) The limitations of subsection (b) below apply to all heatset-web-offset lithographic printing lines at a subject facility. All facilities with heatset-web-offset lithographic printing lines are subject facilities unless:

- A) Total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment, or
 - B) A federally enforceable construction permit or SIP revision for all heatset-web-offset lithographic printing lines(s) at a facility requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment, and
- 2) Any owner or operator of any heatset-web-offset lithographic printing line that is exempt from the limitations in subsection (b) because of the criteria in subsection (a)(1) shall be subject to the recordkeeping and reporting requirements in subsection (c)(1).
- b) Specific Provisions. No owner or operator of a subject heatset-web- offset printing line may cause or allow the operation of the subject heatset-web-offset printing line unless the owner or operator meets the requirements in subsection (b)(1) or (b)(2) and the

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requirements in subsections (b)(3) and (b)(4) below.

- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust, or
- 2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust, and
- 3) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use, and
- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 219.105(a), (d), and (f) and by complying with the recordkeeping and reporting requirements specified in subsection (c) below.

c) Recordkeeping and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 219.105 to establish the records required under this subsection.

- 1) Any owner or operator of a printing line which is exempted from the limitations of subsection (b) because of the criteria in subsection (a) shall comply with the following:

A) By a date consistent with Section 219.106, the owner or operator of a facility to which subsection (c)(1) is applicable shall certify to the Agency that the facility is exempt under the provisions of subsection (a). Such

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certification shall include:

- i) A declaration that the facility is exempt from the limitations of subsection (b) because of the criteria in subsection (a), and
- ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset-web-offset lithographic printing lines at the facility never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset-web-offset lithographic printing facility is the sum of maximum theoretical emissions of VOM from each heatset-web-offset lithographic printing line at the facility. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset-web-offset lithographic printing line at the facility.

$$E_p = (A \times B) + \frac{(C \times D)}{100}$$

where:

E_p = Total maximum theoretical emissions of VOM from one heatset-web-offset printing line in units of kg/year (lbs/year)

A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg VOM/l (lbs VOM/gal) of solids

B = Total volume of solids for all inks that can potentially be applied

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each year on the printing line in units of 1/year (gal/year). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency

C = The weight percent VOM of the fountain solution with the highest VOM content

D = The total volume of fountain solution that can potentially be used each year on the printing line in units of 1/year (gal/year). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency

B) On and after a date consistent with Section 219.106, the owner or operator of a facility to which subsection (c)(1) is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the facility for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line.
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.
- C) On and after a date consistent with Section 219.106, the owner or operator of a facility

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exempted from the limitations of subsection (b) because of the criteria in subsection (a) shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

2) Any owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(1) shall comply with the following:

A) By a date consistent with Section 219.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(2) to subsection (b)(1); the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) on and after a date consistent with Section 219.106, or on and after the initial start-up date.

B) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(1) shall collect and record the following information each day for each printing line and maintain the information at the facility for a period of three years:

- i) Control device monitoring data.
- ii) A log of operating time for the control device, monitoring equipment and the associated printing line.
- iii) A maintenance log for the control device

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and monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages.

- C) On and after a date consistent with Section 219.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(1) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before changing the method of compliance with subsection (b) from subsection (b)(1) to (b)(2), the owner or operator shall comply with all requirements of subsection (c)(3)(A). Upon changing the method of compliance with subsection (b) from subsection (b)(1) to (b)(2), the owner or operator shall comply with all requirements of subsection (c)(3).

- 3) Any owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(2) shall comply with the following:

- A) By a date consistent with Section 219.106, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2); the owner or operator of the subject printing line shall perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(2) on and after a date consistent with Section 219.106, or on and after the initial start-up date.

- B) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) and complying by means of subsection (b)(2) shall collect and record the following information each day for each printing line and maintain the information at the facility for a period of three years:

- i) The VOM content of the fountain solution used each day on each printing line.
 - ii) A log of operating time for the control device and the associated printing line.
 - iii) A maintenance log for the control device detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- C) On and after a date consistent with Section 219.106, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- i) Any record showing violation of subsection (b)(2) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- ii) At least 30 calendar days before changing the method of compliance with subsection (b) from subsection (b)(2) to (b)(1), the owner or operator shall comply with all requirements of subsection (c)(2)(A). Upon changing the method of compliance with subsection (b) from subsection (b)(2) to (b)(1), the owner or operator shall comply with all requirements of subsection (c)(2).

- d) Compliance Schedule. Every owner or operator of a heatset-web-offset lithographic printing line shall comply with the applicable requirements of subsections

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(b) and (c) in accordance with the applicable compliance schedule specified in subsection (d)(1), (d)(2), or (d)(3) below:

- 1) No owner or operator of a heatset-web-offset lithographic printing line which is exempt from the limitations of subsection (b) because of the criteria in subsection (a) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, subsection (b)(1) and (c)(1).
- 2) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(1) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, subsection (b)(2) and (c)(2).
- 3) No owner or operator of a heatset-web-offset lithographic printing line complying by means of subsection (b)(2) shall operate said printing line on or after a date consistent with Section 219.106, unless the owner or operator has complied with, and continues to comply with, subsection (c)(3).

SUBPART Q: LEAKS FROM SYNTHETIC ORGANIC CHEMICAL
AND POLYMER MANUFACTURING EQUIPMENT

Section 219.421

General Requirements

The owner or operator of a plant which processes more than 3660 mg/yr (4033 tons/year) gaseous and light liquid VOM, and whose components are used to manufacture the synthetic organic chemicals or polymers listed in Appendix A, shall comply with this Subpart. The provisions of this Subpart are applicable to components containing 10 percent or more by weight VOM as determined by ASTM method E-168, E-169 and E-260, incorporated by reference in Section 219.112. Those components that are not process unit components are exempt from this Subpart. A component shall be considered to be leaking if the VOM is equal to, or is greater than 10,000 ppmv as methane or hexane as determined by USEPA Reference Method 21, as specified at 40 CFR

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60, Appendix A, incorporated by reference in Section 219.112, indication of liquids dripping, or indication by a sensor that a seal or barrier fluid system has failed. The provisions of this Subpart are not applicable if the equipment components are used to produce heavy liquid chemicals only from heavy liquid feed or raw materials.

Section 219.422 Inspection Program Plan for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 219.421 shall prepare an inspection program plan which contains, at a minimum:

- a) An identification of all components and the period in which each will be monitored pursuant to Section 219.423.
- b) The format for the monitoring log required by Section 219.425.
- c) A description of the monitoring equipment to be used when complying with Section 219.423.
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service, all leaking components, and components exempted under Section 219.423(i) such that they are obvious and can be located by both plant personnel performing monitoring and Agency personnel performing inspections.

Section 219.423 Inspection Program for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to this subpart shall, for the purposes of detecting leaks, conduct a component inspection program using the test methods specified in Method 21, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112, consistent with the following provisions:

- a) Test annually those components operated near extreme temperature or pressure such that they would be unsafe to routinely monitor and those components which would require the elevation of monitoring personnel higher than two meters above permanent worker access structures or surfaces.

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- b) Test quarterly all other pressure relief valves in gas service, pumps in light liquid service, valves in light liquid service and in gas service, and compressors.
- c) If less than or equal to 2 percent of the valves in light liquid service and in gas service tested pursuant to subsection (b) are found not to leak for five consecutive quarters, no leak tests shall be required for three consecutive quarters. Thereafter, leak tests shall resume for the next quarter. If that test shows less than or equal to 2 percent of the valves in light liquid service and in gas service are leaking, then no tests are required for the next three quarters. If more than 2 percent are leaking, then tests are required for the next five quarters.
- d) Observe visually all pump seals weekly.
- e) Test immediately any pump seal from which liquids are observed dripping.
- f) Test any relief valve within 24 hours after it has vented to the atmosphere.
- g) Routine instrument monitoring of valves which are not externally regulated, flanges, and equipment in heavy liquid service, is not required. However, any valve which is not externally regulated, flange or piece of equipment in heavy liquid service that is found to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable but no later than 30 days after the leak is found.
- h) Test immediately after repair any component that was found leaking.
- i) Within one hour of its detection, a weatherproof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected must be affixed on the leaking component and remain in place until the leaking component is repaired.
- j) The following components are exempt from the monitoring requirements in this Section:

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- 1) Any component that is in vacuum service, and
 - 2) Any pressure relief valve that is connected to an operating flare header or vapor recovery device.
- Section 219.424 Repairing Leaks
- All leaking components must be repaired and retested as soon as practicable but no later than 15 days after the leak is found unless the leaking component cannot be repaired until the process unit is shut down. Records of repairing and retesting must be maintained in accordance with Section 219.425 and 219.426.
- Section 219.425 Recordkeeping for Leaks
- a) The owner or operator of a synthetic organic chemical or polymer manufacturing plant shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:
 - 1) The name of the process unit where the component is located;
 - 2) The type of component (e.g., valve, seal);
 - 3) The identification number of the component;
 - 4) The date on which a leaking component is discovered;
 - 5) The date on which a leaking component is repaired;
 - 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
 - 7) A record of the calibration of the monitoring instrument;
 - 8) The identification number of leaking components which cannot be repaired until process unit shutdown; and
 - 9) The total number of valves in light liquid service and in gas service inspected; the total number and the percentage of these valves found leaking

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during the monitoring period.

- b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report was prepared.
- c) Copies of the monitoring log shall be made available to the Agency upon verbal or written request prior to or at the time of inspection pursuant to Section 4(d) of the Environmental Protection Act (Act) (Ill. Rev. Stat. 1989, ch. 111 1/2, pars. 1001 et seq.) at any reasonable time.

Section 219.426 Report for Leaks

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to Section 219.421 through 219.430 shall:

- a) Submit quarterly reports to the Agency on or before March 31, June 30, September 30, and December 31 of each year, listing all leaking components identified pursuant to Section 219.423 but not repaired within 15 days, all leaking components awaiting process unit shutdown, the total number of components inspected, the type of components inspected, and the total number of components found leaking, the total number of valves in light liquid service and in gas service inspected and the number and percentage of valves in light liquid service and in gas service found leaking.
- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as required under Section 219.421 through 219.427.

Section 219.427 Alternative Program for Leaks

The Agency shall approve an alternative program of monitoring, recordkeeping, or reporting to that prescribed in this Subpart upon a demonstration by the owner or operator of such plant that the alternative program will provide plant personnel and Agency personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed when approved by the Agency and approved by the USEPA as a SIP revision.

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Section 219.428 Open-Ended Valves

- a) Each open-ended valve shall be equipped with a cap, blind flange, plug, or a second valve, except during operations requiring fluid flow through the open-ended valve.
- b) Each open-ended valve equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.
- c) Components which are open-ended valves and which serve as a sampling connection shall be controlled such that:
 - 1) A closed purge system or closed vent system shall return purged process fluid to the process line with no detectable volatile organic material emissions to the atmosphere, or
 - 2) A closed purge system or closed vent system shall collect and recycle purged process fluid to the process line with no detectable volatile organic material emissions to the atmosphere, or
 - 3) Purged process fluid shall be transported to a control device that complies with the requirements of Section 219.429.
- d) In-situ sampling systems are exempt from subsection (c).

Section 219.429 Standards for Control Devices

Control devices used to comply with Section 219.428(c) shall comply with the following:

- a) If the control device is a vapor recovery system (for example, condensers and adsorbers), it shall be designed and operated to recover the volatile organic material emissions vented to it with an efficiency of 95 percent or greater.
- b) If the control device is an enclosed combustion device, it shall be designed and operated to reduce the

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volatile organic material emissions vented to it with an efficiency of 95 percent or greater, or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816°C.

c) If the control device is a flare, it shall:

1) Be designed for and operated with no visible emissions as determined by USEPA Reference Method 22, 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.

2) Be operated with a pilot flame present at all times and shall be monitored with a thermocouple or any other equivalent device to detect the presence of the pilot flame.

3) Be steam-assisted, air-assisted, or nonassisted.

4) Be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or with the net heating value of the gas being combusted being 7.45 MJ/scm or greater if the flare is nonassisted. The net heating value of the gas being combusted shall be calculated using the following equation:

$$H_r = K \sum_{i=1}^n C_i H_i$$

where:

H_r = Net heating value of the sample in MJ/scm; where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C

K = Constant,

$$1.740 \times 10^{-7} \text{ (1/ppm) (g-mole/scm) (MJ/Kcal)}$$

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where

standard temperature for (g-mole/scm) is 20°C

C_i = Concentration of sample component i, in ppm, as measured by USEPA Reference Method 18, 40 CFR 60, Appendix A (1986), and ASTM D 2504-83, both incorporated by reference in Section 219.112

H_i = Net heat of combustion of sample component i, kcal/g mole. The heats of combustion may be determined using ASTM D 2382-83, incorporated by reference in Section 219.112, if published values are not available or cannot be calculated

5) Steam-assisted and nonassisted flares shall be designed and operated with an exit velocity, as determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by USEPA Reference Method 2 or 2A, 40 CFR 60, Appendix A (1986) incorporated by reference in Section 219.112, as appropriate; by the unobstructed (free) cross sectional area of the flare tip, less than 18 m/sec (60 ft/sec).

6) Air-assisted flares shall be designed and operated with an exit velocity less than the maximum permitted velocity, V_{max} , as determined by the following equation:

$$\begin{aligned} V_{max} &= 8.706 + 0.7084(H_r) \\ V_{max} &= \text{Maximum permitted velocity, m/sec.} \\ 8.706 &= \text{Constant.} \\ 0.7084 &= \text{Constant.} \\ H_r &= \text{The net heating value as determined in subsection (c)(4) of this section.} \end{aligned}$$

d) If the control device is a closed container, it shall be designed and operated to reduce the volatile organic material emissions, vented from purged process fluid after transfer, to no detectable volatile organic material emissions as determined by USEPA Reference Method 21 as specified at 40 CFR 60, Appendix A (1986), incorporated by reference in Section 219.112. For

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purposes of this Section, the phrase "after transfer" shall refer to the time at which the entire amount of purged process fluid resulting from a flushing or cleaning of the sample line enters the closed container or containers including the final container(s) prior to disposal.

- e) The owner or operator of a control device shall monitor the control device to ensure that it is operated and maintained in conformance with the manufacturer's specifications, modified to the particular process design.

- f) The control device shall be operated at all times when emissions may be vented to it.

Section 219.430 Compliance Date

The owner or operator of a synthetic organic chemical or polymer manufacturing plant subject to 35 Ill. Adm. Code 215.430 through 215.438 as of December 31, 1987 shall have complied with the standards and limitations of those Sections no later than December 31, 1987.

SUBPART R: PETROLEUM REFINING AND RELATED INDUSTRIES; ASPHALT MATERIALS

Section 219.441 Petroleum Refinery Waste Gas Disposal

- a) Except as provided in subsection (b) or (c), no person shall cause or allow the discharge of organic materials in excess of 100 ppm equivalent methane (molecular weight 16.0) into the atmosphere from:

- 1) Any catalyst regenerator of a petroleum cracking system; or
 - 2) Any petroleum fluid coker; or
 - 3) Any other waste gas stream from any petroleum or petrochemical manufacturing process.
- b) Exception. Existing sources subject to subsection (a)(3) may, alternatively, at their election, comply with the organic material emission limitations imposed by 35 Ill. Adm. Code 215.301 or 215.302; provided,

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however, that there shall be no increase in emissions from such sources above the level of emissions in existence on May 3, 1979.

- c) New Sources. Sources subject to subsection (a)(3), construction of which commenced on or after January 1, 1977, may, at their election, comply with the following emission limitations:

- 1) A maximum of eight pounds per hour of organic material; or
- 2) Emission of organic material in excess of the limitation of subsection (c)(1) is allowable if such emissions are controlled by air pollution control methods or equipment approved by the Agency capable of reducing by 85 percent or more the uncontrolled organic material that would otherwise be emitted to the atmosphere. Such methods or equipment must be approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.442 Vacuum Producing Systems

No owner or operator of a petroleum refinery shall cause or allow the operation of any vacuum producing system unless the condensers, hot wells and accumulators of any such system are equipped with vapor loss control equipment including, but not limited to, piping, valves, flame arrestors and hot well covers, to vent any volatile organic material with a vapor pressure of 10.34 kPa (1.5 psia) or greater at 294.3-K (70-F) to a heater, fire box, flare, refinery fuel gas system, or other equipment or system of equal emission control as approved by the Agency and approved by the USEPA as a SIP revision. This Section shall not apply to vacuum producing systems on lube units.

Section 219.443 Wastewater (Oil/Water) Separator

No owner or operator of a petroleum refinery shall operate any wastewater (oil/water) separator at a petroleum refinery unless the separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. If no odor nuisance exists, the limitation of this Section shall not apply if the vapor pressure of the organic material is below 10.34 kPa (1.5

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psia) at 204.3-K (70°F) at all times.

Section 219.444 Process Unit Turnarounds

- a) No owner or operator of a petroleum refinery shall cause or allow a refinery process unit turnaround except in compliance with an operating procedure as approved by the Agency.
- b) Unless a procedure was already on file with the Agency as part of an approved operating permit no later than November 1, 1979, the owner or operator of a petroleum refinery shall submit to the Agency for approval a detailed procedure for reducing emissions of volatile organic material during refinery process unit turnarounds from organic material with a vapor pressure of 10.34 kPa (1.5 psia) or greater at 294.3-K (70°F). The Agency shall not approve the procedure unless it provides for:

- 1) Depressurization of the refinery process unit or vessel to a flare, refinery fuel gas system, or other equipment or system of equal emission control, as approved by the Agency and approved by the USEPA as a SIP revision, until the internal pressure from the vessel or unit is less than 5.0 psig before allowing the vessel to be vented to the atmosphere;

- 2) Recordkeeping of the following items:

- A) Each date that a refinery unit or vessel is shut down; and
- B) The total estimated quantity of volatile organic material emitted to the atmosphere and the duration of the emission in hours.

Section 219.445 Leaks: General Requirements

- a) The owner or operator of a petroleum refinery shall:
 - 1) Develop a monitoring program plan consistent with the provisions of Section 219.446;
 - 2) Conduct a monitoring program consistent with the

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provisions of Section 219.447;

- 3) Record all leaking components which have a volatile organic material concentration exceeding 10,000 ppm consistent with the provisions of Section 219.448;
- 4) Identify each component consistent with the monitoring program plan submitted pursuant to Section 219.446;
- 5) Repair and retest the leaking components as soon as possible within 22 days after the leak is found, but no later than June 1 for the purposes of Section 219.447(a)(1), unless the leaking components cannot be repaired until the unit is shut down for turnaround; and
- 6) Report to the Agency consistent with the provisions of Section 219.449.

Section 219.446 Monitoring Program Plan for Leaks

The owner or operator of a petroleum refinery shall prepare a monitoring program plan which contains, at a minimum:

- a) An identification of all refinery components and the period in which each will be monitored pursuant to Section 219.447;
- b) The format for the monitoring log required by Section 219.448;
- c) A description of the monitoring equipment to be used pursuant to Section 219.447; and
- d) A description of the methods to be used to identify all pipeline valves, pressure relief valves in gaseous service and all leaking components such that they are obvious to both refinery personnel performing monitoring and Agency personnel performing inspections.

Section 219.447 Monitoring Program for Leaks

- a) The owner or operator of a petroleum refinery subject to Section 219.445 shall, for the purpose of detecting

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leaks, conduct a component monitoring program consistent with the following provisions:

- 1) Test once between March 1 and June 1 of each year, by methods referenced in Section 219.105(g), all pump seals, pipeline valves in liquid service and process drains.
- 2) Test once each quarter of each calendar year, by methods referenced in Section 219.105(g), all pressure relief valves in gaseous service, pipeline valves in gaseous service and compressor seals.
- 3) Inaccessible valves may be tested once each calendar year instead of once each quarter of each calendar year.
- 4) Observe visually all pump seals weekly.
- 5) Test immediately any pump seal from which liquids are observed dripping,
- 6) Test any relief valve within 24 hours after it has vented to the atmosphere, and
- 7) Test immediately after repair any component that was found leaking.

- b) Storage tank valves and pressure relief devices connected to an operating flare header or vapor recovery device are exempt from the monitoring requirements in subsection (a).
- c) The Agency may require more frequent monitoring than would otherwise be required by subsection (a) for components which are demonstrated to have a history of leaking.

Section 219.448 Recordkeeping for Leaks

- a) The owner or operator of a petroleum refinery shall maintain a leaking components monitoring log which shall contain, at a minimum, the following information:
 - 1) The name of the process unit where the component

is located;

- 2) The type of component (e.g., valve, seal);
 - 3) The identification number of the component;
 - 4) The date on which a leaking component is discovered;
 - 5) The date on which a leaking component is repaired;
 - 6) The date and instrument reading of the recheck procedure after a leaking component is repaired;
 - 7) A record of the calibration of the monitoring instrument;
 - 8) The identification number of leaking components which cannot be repaired until turnaround; and
 - 9) The total number of components inspected and the total number of components found leaking during that monitoring period.
- b) Copies of the monitoring log shall be retained by the owner or operator for a minimum of two years after the date on which the record was made or the report prepared.
 - c) Copies of the monitoring log shall be made available to the Agency, upon verbal or written request, at any reasonable time.

Section 219.449 Reporting for Leaks

The owner or operator of a petroleum refinery shall:

- a) Submit a report to the Agency prior to the 1st day of both July and September listing all leaking components identified pursuant to Section 219.447 but not repaired within 22 days, all leaking components awaiting unit turnaround, the total number of components inspected and the total number of components found leaking;
- b) Submit a signed statement with the report attesting that all monitoring and repairs were performed as

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required under Sections 219.445 through 219.448.

Section 219.450 Alternative Program for Leaks

The Agency may approve an alternative program of monitoring, recordkeeping or reporting to that prescribed in Sections 219.446 through 219.449 upon a demonstration by the owner or operator of a petroleum refinery that the alternative program will provide refinery, Agency and USEPA personnel with an equivalent ability to identify and repair leaking components. Any alternative program can be allowed only if approved by the USEPA as a SIP revision.

Section 219.451 Sealing Device Requirements

Except for safety pressure relief valves, no owner or operator of a petroleum refinery shall install or operate a valve at the end of a pipe or line containing volatile organic materials unless the pipe or line is sealed with a second valve, blind flange, plug, cap or other sealing device. The sealing device may be removed only when a sample is being taken or during maintenance operations.

Section 219.452 Compliance Schedule for Leaks

The owner or operator of a petroleum refinery shall adhere to the increments of progress contained in the following schedule:

- a) Submit to the Agency a monitoring program consistent with Section 219.446 prior to July 1, 1991 or a date consistent with Section 219.106.
- b) Submit to the Agency the first monitoring report pursuant to Section 219.449 prior to August 1, 1991 or a date consistent with Section 219.106.

Section 219.453 Compliance Dates

Every owner or operator of a petroleum refinery subject to 35 Ill. Adm. Code 215, Subpart R as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.

SUBPART S: RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS

Section 219.461 Manufacture of Pneumatic Rubber Tires

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The owner or operator of an undertread cementing, treadend cementing or bead dipping operation at a pneumatic rubber tire manufacturing facility shall install and operate:

- a) A capture system, with minimum capture efficiency of 65 percent by weight of VOM for treadend cementing or bead dipping operations and a capture system with a minimum capture efficiency of 55.5 percent by weight of VOM for undertread cementing; and
- b) A control device that meets the requirements of one of the following:
 - 1) A carbon adsorption system designed and operated in a manner such that there is at least a 90 percent removal of VOM by weight from the gases ducted to the control device;
 - 2) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (VOM measured as total combustible carbon) to carbon dioxide and water; and
 - 3) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency and approved by the Agency and approved by the USEPA.

Section 219.462 Green Tire Spraying Operations

The owner or operator of a green tire spraying operation at a pneumatic rubber tire manufacturing facility shall:

- a) Install and operate:
 - 1) A capture system with a minimum capture efficiency of 90 percent by weight of VOM; and
 - 2) A control device that meets the requirements of one of the following:
 - A) A carbon adsorption system designed and operated in a manner such that there is at least 90 percent removal of VOM by weight from the bases ducted to the control device;

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- B) An afterburning system that oxidizes at least 90 percent of the captured nonmethane VOM (measured as total combustible carbon) to carbon dioxide and water; or
- C) An alternative VOM emission reduction system demonstrated to have at least a 90 percent overall reduction efficiency approved by the Agency and approved by the USEPA as a SIP revision.
- b) Substitute for the normal solvent-based mold release compound water-based sprays containing:
- 1) No more than five percent by volume of VOM as applied for the inside of tires;
 - 2) No more than ten percent by volume of VOM as applied for the outside of tires.

Section 219.463

Alternative Emission Reduction Systems

In lieu of complying with Section 219.461 or 219.462, the owner or operator of an emission source may utilize an alternative volatile organic emission reduction system, including an alternative production process, which is demonstrated to be equivalent to Section 219.461 or 219.462 on the basis of emissions of volatile organic matter. A treadend cementing operation shall be considered equivalent to Section 219.461 or 219.462 for the purposes of this Section if the total volatile organic emission from such operation is 10 grams or less per tire.

Section 219.464

Testing and Monitoring

- a) Upon a reasonable request by the Agency, the owner or operator of a VOM emission source required to comply with a limit of Sections 219.461 through 219.464 shall conduct emissions testing, at such person's own expense, to demonstrate compliance.
- b) A person planning to conduct a VOM emission test to demonstrate compliance shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

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Section 218.465

Compliance Dates

Every owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart S, as of December 31, 1987 shall have complied with its standards and limitations by December 31, 1987.

Section 219.466

Compliance Plan

- a) The owner or operator of an emission source shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than April 21, 1983.
- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.
- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.

SUBPART T: PHARMACEUTICAL MANUFACTURING

Section 219.480

Applicability

- a) The rules of this Subpart, except for Sections 219.483 through 219.485, apply to all emission sources of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If an emission source emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission source if VOM emissions from the emission source exceed 45.4 kg/day (100 lbs/day).

- b) Notwithstanding subsection (a), the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and

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Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 219.483 through 219.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:

- 1) for the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);
- 2) for each fluid bed dryer: 4,535 kg/year (5.0 tons/year);
- 3) for each tunnel dryer: 6,803 kg/year (7.5 tons/year); and
- 4) for each Accelacota: 6,803 kg/year (7.5 tons/year).

c) Sections 219.483 through 219.485 apply to a plant having one or more emission sources that:

- 1) Are used to manufacture pharmaceuticals, and
- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

d) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission source from this Subpart.

e) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.

f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.

g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.

h)

Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission source operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 219.487 for the hourly emission rate (or the emissions per unit of throughput), such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 219.112. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 219.487.)

Section 219.481

Control of Reactors, Distillation Units, Crystallizers, Centrifuges and Vacuum Dryers

a)

The owner or operator shall equip all reactors, distillation units, crystallizers, centrifuges and vacuum dryers that are used to manufacture pharmaceuticals with surface condensers or other air pollution control equipment listed in subsection (b). If a surface condenser is used, it shall be operated such that the condenser outlet gas temperature does not exceed:

- 1) 248.2°K (-13°F) when condensing VOM of vapor pressure greater than 40.0 kPa (5.8 psi) at 294.3°K (70°F), or
- 2) 258.2°K (5°F) when condensing VOM of vapor pressure greater than 20.0 kPa (2.9 psi) at 294.3°K (70°F), or
- 3) 273.2°K (32°F) when condensing VOM of vapor pressure greater than 10.0 kPa (1.5 psi) at 294.3°K (70°F), or
- 4) 283.2°K (50°F) when condensing VOM of vapor pressure greater than 7.0 kPa (1.0 psi) at 294.3°K (70°F), or

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- 5) 298.2-K (77°F) when condensing VOM of vapor pressure greater than 3.45 kPa (0.5 psi) at 294.3-K (70°F).
- b) If a scrubber, carbon adsorber, thermal afterburner, catalytic afterburner, or other air pollution control equipment other than a surface condenser is used, such equipment shall provide a reduction in the emissions of VOM of 90 percent or more.
- c) The owner or operator shall enclose all centrifuges used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294.3-K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

Section 219.482

Control of Air Dryers, Production Equipment Exhaust Systems and Filters

- a) The owner or operator of an air dryer or production equipment exhaust system used to manufacture pharmaceuticals shall control the emissions of VOM from such emission sources by air pollution control equipment which reduces by 90 percent or more the VOM that would otherwise be emitted into the atmosphere.

- b) The owner or operator shall enclose all rotary vacuum filters and other filters used to manufacture pharmaceuticals and that have an exposed VOL surface, where the VOM in the VOL has a vapor pressure of 3.45 kPa (0.5 psi) or more at 294-K (70°F), except as production, sampling, maintenance, or inspection procedures require operator access.

Section 219.483

Material Storage and Transfer

The owner or operator of a pharmaceutical manufacturing plant shall:

- a) Provide a vapor balance system that is at least 90 percent effective in reducing VOM emissions from truck or railcar deliveries to storage tanks with capacities equal to or greater than 7.57 m³ (2,000 gal) that store VOL with vapor pressures greater than 28.0 kPa (4.1 psi) at 294.3-K (70°F), and

- b) Install, operate, and maintain pressure/vacuum conservation vents set at 0.2 kPa (0.03 psi) or greater on all storage tanks that store VOL with vapor pressures greater than 10 kPa (1.5 psi) at 294.3-K (70°F).

Section 219.484

In-Process Tanks

The owner or operator shall install covers on all in-process tanks used to manufacture pharmaceuticals and containing a VOL at any time. These covers must remain closed, except as production, sampling, maintenance or inspection procedures require operator access.

Section 219.485

Leaks

The owner or operator of a pharmaceutical manufacturing plant shall repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found. If the leaking component cannot be repaired until the process unit is shut down, the leaking component must then be repaired before the unit is restarted.

Section 219.486

Other Emission Sources

The owner or operator of a washer, laboratory hood, tablet coating operation, mixing operation or any other process emission source not subject to Sections 219.481 through 219.485, and used to manufacture pharmaceuticals shall control the emissions of VOM from such emission sources by:

- a) Air pollution control equipment which reduces by 81 percent or more the VOM that would otherwise be emitted to the atmosphere, or
- b) A surface condenser which captures all the VOM which would otherwise be emitted to the atmosphere and which meets the requirements of Section 219.481(a) and (b).

Section 219.487

Testing

- a) Upon request by the Agency or the USEPA, the owner or operator of any VOM emission source subject to this Subpart or exempt from this Subpart by virtue of the

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provisions of Section 219.480 shall, at his own expense, demonstrate compliance to the Agency and the USEPA by the methods or procedures listed in Section 219.105(f)(1).

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency and the USEPA of that intent not less than 30 calendar days before the planned initiation of the test.

Section 219.488 Monitoring for Air Pollution Control Equipment

- a) At a minimum, continuous monitors for the following parameters shall be installed on air pollution control equipment used to control sources subject to this Subpart:

- 1) Destruction device combustion temperature.
- 2) Temperature rise across a catalytic afterburner bed.
- 3) VOM concentration on a carbon adsorption unit to determine breakthrough.
- 4) Outlet gas temperature of a refrigerated condenser.
- 5) Temperature of a non-refrigerated condenser coolant supply system.
- b) Each monitor shall be equipped with a recording device.
- c) Each monitor shall be calibrated quarterly.
- d) Each monitor shall operate at all times while the associated control equipment is operating.

Section 219.489 Recordkeeping for Air Pollution Control Equipment

- a) The owner or operator of a pharmaceutical manufacturing facility shall maintain the following records:

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- 1) Parameters listed in Section 219.488(a)(1) shall be recorded.
- 2) For sources subject to Section 219.481, the vapor pressure of VOM being controlled shall be recorded for every process.
- b) For any leak subject to Section 219.485 which cannot be readily repaired within one hour after detection, the following records shall be kept:

- 1) The name of the leaking equipment,
- 2) The date and time the leak is detected,
- 3) The action taken to repair the leak, and
- 4) The data and time the leak is repaired.
- c) The following records shall be kept for emission sources subject to Section 219.484 which contain VOL:

- 1) For maintenance and inspection:
 - A) The date and time each cover is opened,
 - B) The length of time the cover remains open, and
 - C) The reason why the cover is opened.
- 2) For production and sampling, detailed written procedures or manufacturing directions specifying the circumstances under which covers may be opened and the procedures for opening covers.
- d) For each emission source used in the manufacture of pharmaceuticals for which the owner or operator of a pharmaceutical manufacturing plant claims emission standards are not applicable, because the emissions are below the applicability cutoffs in Section 219.480(a) or 219.480(b), the owner or operator shall:
 - 1) Maintain a demonstration including detailed engineering calculations of the maximum daily and annual emissions for each such emission source

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showing that the emissions are below the applicability cutoffs in Section 219.480(a) or 219.480(b), as appropriate, for the current and prior calendar years;

- 2) Maintain appropriate operating records for each such emission source to identify whether the applicability cutoffs in Section 219.480(a) or 219.480(b), as appropriate, are ever exceeded; and
- 3) Provide written notification to the Agency and the USEPA within 30 days of a determination that such an emission source has exceeded the applicability cutoffs in Section 219.480(a) or 219.480(b), as appropriate.
- e) Records required under subsection (a) shall be maintained by the owner or operator for a minimum of two years after the date on which they are made.
- f) Copies of the records shall be made available to the Agency or the USEPA upon verbal or written request.

SUBPART V: AIR OXIDATION PROCESSES

Section 219.521 Definitions

In addition to the definitions of 35 Ill. Adm. Code 211, the following definitions apply to this Subpart:

"Air Oxidation Process": any unit process including ammoxidation and oxychlorination which uses air or a combination of air and oxygen as an oxidant in combination with one or more organic reactants to produce one or more organic compounds.

"Cost Effectiveness": the annual expense for cost of control of a given process stream divided by the reduction in emissions of organic material of that stream.

"Flow (F)": Vent stream flowrate (scm/min) at a standard temperature of 20°C.

"Full Operating Flowrate": Maximum operating capacity of the facility.

"Hourly Emissions (E)": Hourly emissions reported in kg/hr measured at full operating flowrate.

"Net Heating Value (H)": Vent stream net heating value (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow."

"Process Vent Stream": An emission stream resulting from an air oxidation process.

"Total Resource Effectiveness Index (TRE)": Cost effectiveness in dollars per megagram of controlling any gaseous stream vented to the atmosphere from an air oxidation process divided by \$1600/Mg, using the criteria and methods set forth in this Subpart and Appendices C and D.

Section 219.525 Emission Limitations for Air Oxidation Processes

- a) No person shall cause or allow the emission of volatile organic material (VOM) from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:
 - 1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or
 - 2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.
- b) Air oxidation facilities for which an existing combustion device is employed to control process VOM emissions are not required to meet the 98 percent emissions limit until the combustion device is replaced for other reasons, which shall be considered to include, but not be limited to, normal maintenance, malfunction, accident, and obsolescence. The combustion device is considered to be replaced when:

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- 1) All of the device is replaced; or
 - 2) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.
- c) The limitations of subsection (a) do not apply to any process vent stream or combination of process vent streams which has a Total Resource Effectiveness Index (TRE) greater than 1.0, as determined by the following methods:

- 1) If an air oxidation process has more than one process vent stream, TRE shall be based upon a combination of the process vent streams.

- 2) TRE of a process vent stream shall be determined according to the following equation:

$$TRE = E^{-1} [a + bF^n + cF + dFH + e(FH)^n + fF^{0.5}]$$

where:

- n = 0.88
- TRE = Total resource effectiveness index
- F = Vent stream flowrate (scm/min), at a standard temperature of 20°C
- E = Hourly measured emissions in kg/hr
- H = Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of "Flow"

a, b, c, d, e and f = Coefficients obtained by use of Appendix F

- 3) For nonchlorinated process vent streams, if the

net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by F' for purposes of calculating TRE. F' is computed as follows:

$$F' = FH / 3.6$$

where F and H are as defined in subsection (c)(2).

- 4) The actual numerical values used in the equation described in subsection (c)(2) shall be determined as follows:

A) All reference methods and procedures for determining the flow (F), hourly emissions (E), and net heating (H), value shall be in accordance with Appendix C.

B) All coefficients described in subsection (c)(2) shall be in accordance with Appendix D.

Section 219.526 Testing and Monitoring

- a) Upon reasonable request by the Agency, the owner or operator of an air oxidation process shall demonstrate compliance with this Subpart by use of the methods specified in Appendix C. This Section does not limit the USEPA's authority, under the Clean Air Act, to require demonstrations of compliance.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so that the Agency may observe the test.

Section 219.527 Compliance Date

Each owner or operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart V, as of December 31, 1987 shall have complied with the standards and limitations of 35 Ill. Adm. Code 215, Subpart V, by December 31, 1987.

SUBPART W: AGRICULTURE

Section 219.541 Pesticide Exception

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The provisions of Sections 219.301 and 219.302 shall not apply to the spraying or use of insecticides, herbicides or other pesticides.

SUBPART X: CONSTRUCTION

Section 219.561 Architectural Coatings

No person shall cause or allow the sale or use of any architectural coating containing more than 20 percent by volume of photo-chemically reactive material in containers having a capacity of more than one gallon.

Section 219.562 Paving Operations

The provisions of Sections 219.301 and 219.302 shall not apply to the application of paving asphalt and pavement marking paint from sunrise to sunset.

Section 219.563 Cutback Asphalt

- a) No person shall cause or allow the use or application of cutback asphalt for paving, resurfacing, reconditioning, repairing or otherwise maintaining a roadway unless:
 - 1) The use or application of the cutback asphalt commences on or after October 1 of any year and such use or application is completed by April 30 of the following year; or
 - 2) The cutback asphalt is a long-life stockpile material which remains in stock after April 30 of each year and as such it may be used until depleted for patching potholes and for other similar repair work; or
 - 3) The cutback asphalt is to be used solely as an asphalt prime coat.
- b) Sources subject to this Section are not required to submit or obtain an Agency approved compliance plan or project completion schedule under 35 Ill. Adm. Code 201, Subpart H.

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SUBPART Y: GASOLINE DISTRIBUTION

Section 219.581 Bulk Gasoline Plants

- a) Subject to subsection (e), no person may cause or allow the transfer of gasoline from a delivery vessel into a stationary storage tank located at a bulk gasoline plant unless:
 - 1) The delivery vessel and the stationary storage tank are each equipped with a vapor collection system that meets the requirements of subsection (d) (4),
 - 2) Each vapor collection system is operating,
 - 3) The delivery vessel displays the appropriate sticker pursuant to the requirements of Sections 219.584 (b) or (d),
 - 4) The pressure relief valve(s) on the stationary storage tank and the delivery vessel are set to release at no less than 0.7 psi or the highest pressure allowed by State or local fire codes or the guidelines of the National Fire Prevention Association, and
 - 5) The stationary storage tank is equipped with a submerged loading pipe.
- b) Subject to subsection (f), no person may cause or allow the transfer of gasoline from a stationary storage tank located at a bulk gasoline plant into a delivery vessel unless:
 - 1) The requirements set forth in subsections (a) (1) through (a) (4) are met, and
 - 2) Equipment is available at the bulk gasoline plant to provide for the submerged filling of the delivery vessel or the delivery vessel is equipped for bottom loading.
- c) Subject to subsection (e), each owner of a stationary storage tank located at a bulk gasoline plant shall:

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- 1) Equip each stationary storage tank with a vapor control system that meets the requirements of subsection (a) or (b), whichever is applicable,
- 2) Provide instructions to the operator of the bulk gasoline plant describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system, and
- 3) Repair, replace or modify any worn out or malfunctioning component or element of design.

d) Subject to subsection (e), each operator of a bulk gasoline plant shall:

- 1) Maintain and operate each vapor control system in accordance with the owner's instructions,
- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system, and
- 3) Maintain gauges, meters or other specified testing devices in proper working order,
- 4) Operate the bulk plant vapor collection system and gasoline loading equipment in a manner that prevents:

- A) Gauge pressure from exceeding 45.7 cm (18 in.) of water and vacuum from exceeding 15.2 cm (6 in.) of water, as measured as close as possible to the vapor hose connection, and
- B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in "Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems", Appendix B, EPA 450/2-78-051, (incorporated by reference in Section 219.112), and

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- C) Avoidable leaks of liquid during loading or unloading operations.
- 5) Provide a pressure tap or equivalent on the bulk plant vapor collection system in order to allow the determination of compliance with subsection (d)(4)(A), and
- 6) Within 15 business days after discovery of any leak by the owner, the operator, the Agency or the USEPA, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A) or (B).

e) The requirements of subsections (a), (c) and (d) shall not apply to:

- 1) Any stationary storage tank with a capacity of less than 2,177 l (575 gal), or
- 2) Any bulk gasoline plant whose daily gasoline throughput is less than 15,140 l (4,000 gal/day) on a thirty-day rolling average.

f) The requirements of subsection (b) shall apply only to bulk gasoline plants whose daily gasoline throughput is greater than or equal to 15,140 l (4,000 gal/day) on a thirty-day rolling average.

g) Any bulk gasoline plant which is ever subject to subsections (a), (b), (c), or (d) shall always be subject to these paragraphs.

Section 219.582 Bulk Gasoline Terminals

a) No person shall cause or allow the transfer of gasoline into any delivery vessel from any bulk gasoline terminal unless:

- 1) The bulk gasoline terminal is equipped with a vapor control system that limits emission of VOM to 80 mg/l (0.00067 lbs/gal) of gasoline loaded;
- 2) The vapor control system is operating and all vapors displaced in the loading of gasoline to the delivery vessel are vented only to the vapor

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control system;

- 3) There is no liquid drainage from the loading device when it is not in use;
- 4) All loading and vapor return lines are equipped with fittings which are vapor tight; and
- 5) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 219.584(b) or (d); or, if the terminal is driver-loaded, the terminal owner or operator shall be deemed to be in compliance with this Section when terminal access authorization is limited to those owners and/or operators of delivery vessels who have provided a current certification as required by Section 219.584(c) (3).

b) Bulk gasoline terminals were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix C.

c) The operator of a bulk gasoline terminal shall:

- 1) Operate the terminal vapor collection system and gasoline loading equipment in a manner that prevents:

A) Gauge pressure from exceeding 18 inches of water and vacuum from exceeding 6 inches of water as measured as close as possible to the vapor hose connection; and

B) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B incorporated by reference in Section 219.112; and

C) Avoidable leaks of liquid during loading or unloading operations.

- 2) Provide a pressure tap or equivalent on the terminal vapor collection system in order to allow

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the determination of compliance with Section 219.582(d) (1)(A); and

- 3) Within 15 business days after discovery of the leak by the owner, operator, or the Agency repair and retest a vapor collection system which exceeds the limits of subsection (c) (1)(A) or (B).

Section 219.583 Gasoline Dispensing Facilities

a) Subject to subsection (b), no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility unless:

- 1) The tank is equipped with a submerged loading pipe; and

2) The vapors displaced from the storage tank during filling are processed by a vapor control system that includes one or more of the following:

- A) A vapor collection system that meets the requirements of subsection (d) (4); or
- B) A refrigeration-condensation system or any other system approved by the Agency and approved by the USEPA as a SIP revision, that recovers at least 90 percent by weight of all vaporized organic material from the equipment being controlled; and

C) The delivery vessel displays the appropriate sticker pursuant to the requirements of Section 219.584(b) or (d).

b) The requirements of subsection (a) (2) shall not apply to transfers of gasoline to a stationary storage tank at a gasoline dispensing facility if:

- 1) The tank is equipped with a floating roof, or other system of equal or better emission control as approved by the Agency and approved by the USEPA as a SIP revision;

2) The tank has a capacity of less than 2000 gallons

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and was in place and operating before January 1, 1979; or

- 3) The tank has a capacity of less than 575 gallons.

c) Subject to subsection (b), each owner of a gasoline dispensing facility shall:

- 1) Install all control systems and make all process modifications required by subsection (a);
- 2) Provide instructions to the operator of the gasoline dispensing facility describing necessary maintenance operations and procedures for prompt notification of the owner in case of any malfunction of a vapor control system; and
- 3) Repair, replace or modify any worn out or malfunctioning component or element of design.

d) Subject to subsection (b), each operator of a gasoline dispensing facility shall:

- 1) Maintain and operate each vapor control system in accordance with the owner's instructions;
- 2) Promptly notify the owner of any scheduled maintenance or malfunction requiring replacement or repair of a major component of a vapor control system;
- 3) Maintain gauges, meters or other specified testing devices in proper working order;
- 4) Operate the vapor collection system and delivery vessel unloading points in a manner that prevents:
 - A) A reading equal to or greater than 100 percent of the lower explosive limit (LEL measured as propane) when tested in accordance with the procedure described in EPA 450/2-78-051 Appendix B, and
 - B) Avoidable leaks of liquid during the filling of storage tanks; and

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- 5) Within 15 business days after discovery of the leak by the owner, operator, or the Agency, repair and retest a vapor collection system which exceeds the limits of subsection (d)(4)(A).

e) Gasoline dispensing facilities were required to take certain actions to achieve compliance which are summarized in 35 Ill. Adm. Code 215, Appendix C.

Section 219.584 Gasoline Delivery Vessels

a) Any delivery vessel equipped for vapor control by use of vapor collection equipment:

- 1) Shall have a vapor space connection that is equipped with fittings which are vapor tight;
- 2) Shall have its hatches closed at all times during loading or unloading operations, unless a top loading vapor recovery system is used;
- 3) Shall not internally exceed a gauge pressure of 18 inches of water or a vacuum of 6 inches of water;
- 4) Shall be designed and maintained to be vapor tight at all times during normal operations;
- 5) Shall not be refilled in Illinois at other than:
 - A) A bulk gasoline terminal that complies with the requirements of Section 219.582 or
 - B) A bulk gasoline plant that complies with the requirements of Section 219.581(b).
- 6) Shall be tested annually in accordance with Method 27, 40 CFR 60, Appendix A, incorporated by reference in Section 219.105. Each vessel must be repaired and retested within 15 business days after discovery of the leak by the owner, operator, or the Agency, when it fails to sustain:
 - A) A pressure drop of no more than three inches of water in five minutes; and
 - B) A vacuum drop of no more than three inches of

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water in five minutes.

- b) Any delivery vessel meeting the requirements of subsection (a) shall have a sticker affixed to the tank adjacent to the tank manufacturer's data plate which contains the tester's name, the tank identification number and the date of the test. The sticker shall be in a form prescribed by the Agency, and, for those delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987, shall have been displayed no later than December 31, 1987.

- c) The owner or operator of a delivery vessel shall:

- 1) Maintain copies of any test required under subsection (a)(6) for a period of 3 years;
 - 2) Provide copies of these tests to the Agency upon request; and
 - 3) Provide annual test result certification to bulk gasoline plants and terminals where the delivery vessel is loaded.
- d) Any delivery vessel which has undergone and passed a test in another state which has a USEPA-approved leak testing and certification program will satisfy the requirements of subsection (a). Delivery vessels must display a sticker, decal or stencil approved by the state where tested or comply with the requirements of subsection (b). All such stickers, decals or stencils shall have been displayed no later than December 31, 1987, for delivery vessels subject to 35 Ill. Adm. Code 215 as of December 31, 1987.

Section 219.585 Gasoline Volatility Standards

- a) No person shall sell, offer for sale, dispense, supply, offer for supply, or transport for use in Illinois gasoline whose Reid vapor pressure exceeds the applicable limitations set forth in subsections (b) and (c) during the regulatory control periods, which shall be July 1 to August 31 for retail outlets, wholesale purchaser-consumer facilities, and all other facilities.

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- b) The Reid vapor pressure of gasoline, a measure of its volatility, shall not exceed 9.5 psi (65.5 kPa) during the regulatory control period in 1990 and each year thereafter.
- c) The Reid vapor pressure of ethanol blend gasolines shall not exceed the limitations for gasoline set forth in subsection (b) by more than 1.0 psi (6.9 kPa). Notwithstanding this limitation, blenders of ethanol blend gasolines whose Reid vapor pressure is less than 1.0 psi above the base stock gasoline immediately after blending with ethanol are prohibited from adding butane or any product that will increase the Reid vapor pressure of the blended gasoline.
- d) All sampling of gasoline required pursuant to the provisions of this Section shall be conducted by one or more of the following approved methods or procedures which are incorporated by reference in Section 215.105.
- 1) For manual sampling, ASTM D4057;
 - 2) For automatic sampling, ASTM D4177;
 - 3) Sampling procedures for fuel volatility, 40 CFR 80 Appendix D.
- e) The Reid vapor pressure of gasoline shall be measured in accordance with either test method ASTM D323 or a modification of ASTM D323 known as the "dry method" as set forth in 40 CFR 80, Appendix E, incorporated by reference in 35 Ill. Adm. Code 215.105. For gasoline - oxygenate blends which contain water-extractable oxygenates, the Reid vapor pressure shall be measured using the dry method test.
- f) The ethanol content of ethanol blend gasolines shall be determined by use of one of the approved testing methodologies specified in 40 CFR 80, Appendix F, incorporated by reference in 35 Ill. Adm. Code 215.105.
- g) Any alternate to the sampling or testing methods or procedures contained in subsections (d), (e), and (f) must be approved by the Agency, which shall consider data comparing the performance of the proposed alternative to the performance of one or more approved

test methods or procedures. Such data shall accompany any request for Agency approval of any alternate test procedure. If the Agency determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test methods or will achieve results equivalent to the approved test methods or procedures, the Agency shall approve the proposed alternative.

- h) Each refiner or supplier that distributes gasoline or ethanol blends shall:

1) During the regulatory control period, state that the Reid vapor pressure of all gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois complies with the Reid vapor pressure limitations set forth in 35 Ill. Adm. Code 215.585(b) and (c). Any facility receiving this gasoline shall be provided with a copy of an invoice, bill of lading, or other documentation used in normal business practice stating that the Reid vapor pressure of the gasoline complies with the State Reid vapor pressure standard.

2) Maintain records for a period of one year on the Reid vapor pressure, quantity shipped and date of delivery of any gasoline or ethanol blends leaving the refinery or distribution facility for use in Illinois. The Agency shall be provided with copies of such records if requested.

SUBPART Z: DRY CLEANERS

Section 219.601 Perchloroethylene Dry Cleaners

The owner or operator of a dry cleaning facility which uses perchloroethylene shall:

- a) Vent the entire dryer exhaust through a properly designed and functioning carbon adsorption system or equally effective control device; and
- b) Emit no more than 100 ppmv of VOM from the dryer control device before dilution, or achieve a 90 percent average reduction before dilution; and

- c) Immediately repair all components found to be leaking liquid VOM; and
- d) Cook or treat all diatomaceous earth filters so that the residue contains 25 kg (55 lb) or less of volatile organic material per 100 kg (220 lb) of wet waste material; and
- e) Reduce the VOM from all solvent stills to 60 kg (132 lb) or less per 100 kg (220 lb) of wet waste material; and
- f) Drain all filtration cartridges in the filter housing or other sealed container for at least 24 hours before discarding the cartridges; and
- g) Dry all drained filtration cartridges in equipment connected to an emission reduction system or in a manner that will eliminate emission of volatile organic material to the atmosphere.

Section 219.602 Exemptions

The provisions of Section 219.601 are not applicable to perchloroethylene dry cleaning operations which are coin-operated or to dry cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene.

Section 219.603 Leaks

The presence of leaks shall be determined for purposes of Section 219.601(c) by a visual inspection of the following: hose connections, unions, couplings and valves; machine door gaskets and seatings; filter head gasket and seating; pumps; base tanks and storage containers; water separators; filter sludge recovery; distillation unit; diverter valves; saturated lint from lint baskets; and cartridge filters.

Section 219.604 Compliance Dates

Every owner or operator of an emission source previously subject to 35 Ill. Adm. Code 215, Subpart Z shall have complied with its standards and limitations in accordance with the applicable dates set forth in 35 Ill. Adm. Code 215.604.

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Section 219.605

Compliance Plan

- a) The owner or operator of an emission source subject to this Subpart shall have submitted to the Agency a compliance plan, pursuant to 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule where applicable, no later than, for Section 219.601(a) and (b), April 21, 1983.
- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source may operate the emission source according to the plan and schedule as submitted.
- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H, including specific interim dates as required in 35 Ill. Adm. Code 201.242.

Section 219.606

Exception to Compliance Plan

Coin-operated dry cleaning operations and dry cleaning facilities consuming less than 30 gal per month (360 gal per year) of perchloroethylene are not required to submit or obtain an Agency approved compliance plan or project completion schedule.

Section 219.607 Standards for Petroleum Solvent Dry Cleaners

- a) The owner or operator of a petroleum solvent dry cleaning dryer shall either:
 - 1) Limit emissions of volatile organic material to the atmosphere to an average of 3.5 kilograms of VOM per 100 kilograms dry weight of articles dry cleaned, or
 - 2) Install and operate a solvent recovery dryer in a manner such that the dryer remains closed and the recovery phase continues until a final solvent flow rate of 50 ml per minute is attained.
- b) The owner or operator of a petroleum solvent filtration system shall either:
 - 1) Reduce the VOM content in all filtration wastes to 1.0 kilogram or less per 100 kg dry weight of articles dry cleaned, before disposal, and

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exposure to the atmosphere, or

- 2) Install and operate a cartridge filtration system, and drain the filter cartridges in their sealed housings for 8 hours or more before their removal.

Section 219.608

Operating Practices for Petroleum Solvent Dry Cleaners

In order to minimize fugitive solvent emissions, the owner or operator of a petroleum solvent dry cleaning facility shall employ good housekeeping practices including the following:

a) General Housekeeping Requirements

- 1) Equipment containing solvent (washers, dryers, extractors and filters) shall remain closed at all times except during load transfer and maintenance. Lint filter and button trap covers shall remain closed except when solvent-laden material is being removed.
- 2) Cans, buckets, barrels and other containers of solvent or of solvent-laden material shall be covered except when in use.
- 3) Solvent-laden material shall be exposed to the atmosphere only for the minimum time necessary for load transfer.

b) Installation and operation of equipment:

- 1) All cartridge filters shall be enclosed and operated in accordance with the procedures and specifications recommended by the manufacturer for the cartridge filter. After installation, the cartridges shall be inspected, monitored and maintained in accordance with the manufacturer's recommendations; and
- 2) Vents on containers for new solvent and for solvent-containing waste shall be constructed and maintained so as to minimize solvent vapor emissions. Criteria for the minimization of solvent vapor emissions include the elimination of solvent buckets and barrels standing open to the

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atmosphere, and the repair of gaskets and seals that expose solvent-rich environments to the atmosphere, to be determined through visual inspection.

Section 219.609 Program for Inspection and Repair of Leaks

- a) The owner or operator of a petroleum solvent dry cleaning facility shall conduct the following visual inspections on a weekly basis:
 - 1) Washers, dryers, solvent filters, settling tanks, vacuum stills and containers and conveyors of petroleum solvent shall be inspected for visible leaks of solvent liquid.
 - 2) Pipes, hoses and fittings shall be inspected for active dripping or dampness.
 - 3) Pumps and filters shall be inspected for leaks around seals and access covers.
 - 4) Gaskets and seals shall be inspected for wear and defects.
 - b) Leaks of petroleum solvent liquid and vapors shall be repaired within three working days of detection, unless necessary replacement parts are not on site.
 - 1) If necessary, repair parts shall be ordered within three working days of detection of the leak.
 - 2) The leak shall be repaired within three days of delivery of necessary parts.
- Section 219.610 Testing and Monitoring
- a) Compliance with Sections 219.607(b)(2), 219.608 and 219.609 shall be determined by visual inspection; and
 - b) Compliance with Sections 219.607(a)(2) and (b)(1) shall be determined by methods described in EPA-450/3-82-009 (1982) incorporated by reference in Section 219.112.
 - c) If a control device is used to comply with Section

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219.607(a)(1), then compliance shall be determined using 40 CFR 60 Appendix A, Method 25 (1984) incorporated by reference in Section 219.112.

Section 219.611 Exemption for Petroleum Solvent Dry Cleaners

The provisions of Sections 219.607 through 219.610 shall not apply to petroleum solvent dry cleaning facilities whose emissions of volatile organic material do not exceed 91 Mg (100 tons) per year in the absence of pollution control equipment or whose emissions of VOM, as limited by the operating permit, will not exceed 91 Mg (100 tons) per year in the absence of pollution control equipment.

Section 219.612 Compliance Dates

Owners and operators of emission sources subject to 35 Ill. Adm. Code 215.607 through 215.609 as of December 31, 1987 shall have complied with the requirements set forth therein no later than December 31, 1987.

Section 219.613 Compliance Plan

- a) The owner or operator of an emission source formerly subject to 35 Ill. Adm. Code 215.610(a) as of May 31, 1987 shall have submitted to the Agency a compliance plan, including a project completion schedule where applicable, no later than May 31, 1987.
- b) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201.

SUBPART AA: PAINT AND INK MANUFACTURING

Section 219.620 Applicability

- a) This subpart shall apply to all paint and ink manufacturing plants which:
 - 1) Include process emission sources not subject to Subparts B, E, F (excluding Section 219.204(1)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part; and which as a group both:
 - A) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM

if no air pollution control equipment were used, and

- B) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision, or
- 2) Produce more than 7,570,820 l (2,000,000 gal) per calendar year of paint or ink formulations, which contain less than 10 percent (by weight) water, and ink formulations not containing as the primary solvents water, Magie oil or glycol.

- b) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 219.621 Exemption for Waterbase Material and Heatset-Offset Ink

The requirements of Sections 219.624 and 219.625 and Section 219.628(a) shall not apply to equipment while it is being used to produce either:

- a) paint or ink formulations which contain 10 percent or more (by weight) water, or
- b) inks containing Magie oil and glycol as the primary solvent.

Section 219.623 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 219.624 Open-top Mills, Tanks, Vats or Vessels

No person shall operate an open-top mill, tank, vat or vessel with a volume of more than 45 l (12 gal) for the production of paint or ink unless:

- a) The mill, tank, vat or vessel is equipped with a cover

which completely covers the mill, tank, vat or vessel opening except for an opening no larger than necessary to allow for safe clearance for a mixer shaft. Such cover shall extend at least 1.27 cm (0.5 in.) beyond the outer rim of the opening or be attached to the rim.

- b) The cover remains closed except when production, sampling, maintenance or inspection procedures require access.
- c) The cover is maintained in good condition such that, when in place, it maintains contact with the rim of the opening for at least 90 percent of the circumference of the rim.

Section 219.625 Grinding Mills

- a) No person shall operate a grinding mill for the production of paint or ink which is not maintained in accordance with the manufacturer's specifications.
- b) No person shall operate a grinding mill fabricated or modified after the effective date of this Subpart which is not equipped with fully enclosed screens.
- c) The manufacturer's specifications shall be kept on file at the plant by the owner or operator of the grinding mill and be made available to any person upon verbal or written request during business hours.

Section 219.626 Storage Tanks

- a) The owner or operator shall equip tanks storing VOL with a vapor pressure greater than 10 kPa (1.5 psi) at 20°C (68°F) with pressure/vacuum conservation vents set as a minimum at +/-0.2 kPa (0.029 psi). These controls shall be operated at all times. An alternative air pollution control system may be used if it results in a greater emission reduction than these controls. Any alternative control system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.
- b) Stationary VOL storage containers with a capacity greater than 946 l (250 gal) shall be equipped with a submerged-fill pipe or bottom fill. These controls

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shall be operated at all times. An alternative control system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision.

equipment, considering the method and materials being used.

Section 219.628 Leaks

The owner or operator of a paint or ink manufacturing plant shall, for the purpose of detecting leaks, conduct an equipment monitoring program as set forth below:

- a) Each pump shall be checked by visual inspection each calendar week for indications of leaks, that is, liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, the pump shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.
- b) Any pump, valve, pressure relief valve, sampling connection, open-ended valve and flange or connector containing a fluid which is at least 10 percent VOM by weight which appears to be leaking on the basis of sight, smell or sound shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected.

- c) A weather proof, readily visible tag, in bright colors such as red or yellow, bearing an identification number and the date on which the leak was detected shall be attached to leaking equipment. The tag may be removed upon repair, that is, when the equipment is adjusted or otherwise altered to allow operation without leaking.

- d) When a leak is detected, the owner or operator shall record the date of detection and repair and the record shall be retained at the plant for at least two years from the date of each detection or each repair attempt. The record shall be made available to any person upon verbal or written request during business hours.

Section 219.630 Clean Up

- a) No person shall clean paint or ink manufacturing equipment with organic solvent unless the equipment being cleaned is completely covered or enclosed except for an opening no larger than necessary to allow safe clearance for proper operation of the cleaning

Section 219.636 Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 219.106.

Section 219.637 Recordkeeping and Reporting

- a) Upon request by the Agency, the owner or operator of an emission source which claims to be exempt from the requirements of this Subpart shall submit records to the Agency within 30 calendar days from the date of the request which document that the emission source is in fact exempt from this Subpart. These records shall include (but are not limited to) the percent water (by weight) in the paint or ink being produced and the quantity of Magie oil, glycol and other solvents in the ink being produced.

- b) Every owner or operator of an emission source which is subject to the requirements of this Subpart shall maintain all records necessary to demonstrate compliance with those requirements at the facility for three years.

SUBPART BB: POLYSTYRENE PLANTS

Section 219.875

Applicability of Subpart BB

The provisions of this Subpart shall apply to polystyrene plants:

- a) Which use continuous processes to manufacture polystyrene - polybutadiene co-polymer; and
- b) Which fall within Standard Industrial Classification

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Group No. 282, Industry No. 2821, except that the manufacture of polystyrene resins need not be the primary manufacturing process at the plant.

Section 219.877 Emissions Limitation at Polystyrene Plants

No person shall cause or allow the emissions of VOM from the material recovery section to exceed 0.12 kg of VOM per 1000 kg of polystyrene resin produced.

Section 219.879 Compliance Date

Every owner and operator of an emission source subject to 35 Ill. Adm. Code 215, Subpart BB as of December 31, 1987, shall have complied with its standards and limitations by December 31, 1987.

Section 219.881 Compliance Plan

- a) The owner or operator of an emission source formerly subject to the requirements of 35 Ill. Adm. Code 215 Subpart BB shall have submitted to the Agency a compliance plan in accordance with 35 Ill. Adm. Code 201, Subpart H, including a project completion schedule on or before December 1, 1987.

- b) Unless the submitted compliance plan or schedule was disapproved by the Agency, the owner or operator of a facility or emission source subject to this Subpart may operate the emission source according to the plan and schedule as submitted.

- c) The plan and schedule shall meet the requirements of 35 Ill. Adm. Code 201, Subpart H and Section 219.883.

Section 219.883 Special Requirements for Compliance Plan

For sources subject to this Subpart, an approvable compliance plan shall include:

- a) A description of each process which is subject to an emissions limitation;
- b) Quantification of the emissions from each process;
- c) A description of the procedures and methods used to determine the emissions of VOM;

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- d) A description of the methods which will be used to demonstrate compliance with the allowable plantwide emission limitation (Section 215.877), including a method of inventory, recordkeeping and emission calculation or measurement.

Section 219.886 Emissions Testing

- a) Upon a reasonable request by the Agency, the owner or operator of a polystyrene plant subject to this Subpart shall at his own expense demonstrate compliance by use of the following method: 40 CFR 60, Appendix A, Method 25 - Determination of Total Gaseous Non-Methane Organic Emissions as Carbon (1984), incorporated by reference in Section 219.112.

- b) A person planning to conduct a VOM emissions test to demonstrate compliance with this Subpart shall notify the Agency of that intent not less than 30 days before the planned initiation of the tests so the Agency may observe the test.

SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

Section 219.920 Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous fabricated product manufacturing process emission sources which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(l)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through

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production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous fabricated products manufacturing process emission source which was ever subject to the control requirements of Section 219.926.
- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such sources not complying with Section 219.926 does not exceed 4.5 Mg (5.0 tons) per calendar year.
- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 219.923

Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 219.926

Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c):

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs

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VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this Section are not required to comply with Section 219.301, or

- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.927

Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 219.106.

Section 219.928

Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.926, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.
- b) Nothing in the Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

Section 219.940

Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous formulation manufacturing process emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z of this Part if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(1)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100

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- tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.

- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous formulation manufacturing process emission source which was ever subject to the control requirements of Section 219.946.

- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such sources not complying with this Section does not exceed 4.5 Mg (5.0 tons) per calendar year.

- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.

- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 219.943 Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 219.946 Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

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- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent, or

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.947 Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements thereof on and after a date consistent with Section 219.106.

Section 219.948 Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.946, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- b) Nothing in the Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

Section 219.960 Applicability

- a) The requirements of this Subpart shall apply to a plant's miscellaneous organic chemical manufacturing process emission sources which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y or Z of this Part, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(l)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part; which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air

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pollution control equipment were used, and

- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction permit or a SIP revision.
- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to a miscellaneous organic chemical manufacturing process emission source which was ever subject to the control requirements of Section 219.966.
- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 0.91 Mg (1.0 ton) per calendar year if the total emissions from such sources not complying with Section 219.966 does not exceed 4.5 Mg (5.0 tons) per calendar year.
- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- e) For the purposes of this Subpart, uncontrolled VOM emissions are the emissions of VOM which would result if no air pollution control equipment were used.

Section 219.963

Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

Section 219.966

Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a) or (b) below.

- a) Emission capture and control techniques which achieve

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an overall reduction in uncontrolled VOM emissions of at least 81 percent, or

- b) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.967

Compliance Schedule

Every owner or operator of an emission source subject to the control requirements of this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106.

Section 219.968

Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.966, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.
- b) Nothing in the Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART TT: OTHER EMISSION SOURCES

Section 219.980

Applicability

- a) The requirements of this Subpart shall apply to a plant's VOM emission sources, which are not included within any of the source categories specified in Subparts B, E, F, H, Q, R, S, V, X, Y, Z, AA, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the plant is subject to this Subpart. A plant is subject to this Subpart if it contains process emission sources, not regulated by Subparts B, E, F (excluding Section 219.204(7)), H (excluding Section 219.405), Q, R, S, V, X, Y or Z of this Part, which as a group both:

- 1) have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and

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- 2) are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable construction or operating permit or a SIP revision.
- b) If a plant ceases to fulfill the criteria of subsection (a), the requirements of this Subpart shall continue to apply to an emission source which was ever subject to the control requirements of Section 219.986.
- c) No limits under this Subpart shall apply to emission sources with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such sources not complying with Section 219.986 does not exceed 4.5 Mg (5.0 tons) per calendar year.
- d) For the purposes of this Subpart, an emission source shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission source is not considered regulated by a Subpart if its emissions are below the applicability cutoff level or if the source is covered by an exemption.
- e) The control requirements in Subparts QQ, RR, SS and TT shall not apply to sewage treatment plants, vegetable oil processing plants, coke ovens (including by-product recovery plants), fuel combustion sources, bakeries, barge loading facilities, jet engine test cells, pharmaceutical manufacturing, production of polystyrene foam insulation board (including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant), production of polystyrene foam packaging (not including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the plant), and iron and steel production.

Section 219.983

Permit Conditions

No person shall violate any condition in a permit when the condition results in exclusion of the plant or an emission source from this Subpart.

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Section 219.986 Control Requirements

Every owner or operator of an emission source subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below.

- a) Emission capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent, or
- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 219.301, or
- c) An alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision.

Section 219.987

Compliance Schedule

Every owner or operator of an emissions source which is subject to this Subpart shall comply with the requirements of this Subpart on and after a date consistent with Section 219.106.

Section 219.988

Testing

- a) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with Section 219.986, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.
- b) Nothing in the Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

SUBPART UU: RECORDKEEPING AND REPORTING FOR NON-CTG SOURCES

Section 219.990

Exempt Emission Sources

Upon request by the Agency, the owner or operator of an emission source which is exempt from the requirements of Subparts PP, QQ,

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RR, TT or Section 219.208(b) shall submit records to the Agency within 30 calendar days from the date of the request that document that the emission source is exempt from those requirements.

Section 219.991

Subject Emission Sources

- a) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by the use of emission capture and control equipment shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a new emission source, the owner or operator of the subject VOM emission source shall demonstrate to the Agency that the subject emission source will be in compliance on and after a date consistent with Section 219.106, or on and after the initial start-up date by submitting to the Agency all calculations and other supporting data, including descriptions and results of any tests the owner or operator may have performed.

- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a subject VOM emission source shall collect and record all of the following information each day and maintain the information at the facility for a period of three years:
 - A) Control device monitoring data.
 - B) A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
 - C) A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject VOM

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emission source shall notify the Agency in the following instances:

- A) Any record showing a violation of the requirements of Subpart PP, QQ, RR or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b)(1). Upon changing the method of compliance with Subpart PP or TT from the use of capture systems and control devices to the use of complying coatings, the owner or operator shall comply with all requirements of subsection (b).

- 4) A) When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with this Subpart, the owner or operator of a VOM emission source subject to the requirements of this Subpart shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105.

- B) Nothing in this Section shall limit the authority of the USEPA pursuant to the Clean Air Act, as amended, to require testing.

- b) Any owner or operator of a coating line which is subject to the requirements of Subpart PP or TT and complying by means of the daily-weighted average VOM content limitation shall comply with the following:

- 1) By a date consistent with Section 219.106, or upon initial start-up of a coating line subject to Subpart PP or TT, the owner or operator of the subject coating line shall certify to the Agency that the coating line will be in compliance on and after a date consistent with Section 219.106, or

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on and after the initial start-up date. Such certification shall include:

- A) The name and identification number of each coating line which will comply by means of the daily-weighted average VOM content limitation.
- B) The name and identification number of each coating as applied on each coating line.
- C) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.
- D) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each coating line.
- E) The method by which the owner or operator will create and maintain records each day as required in subsection (b)(2).
- F) An example of the format in which the records required in subsection (b)(2) will be kept.

- 2) On and after a date consistent with Section 219.106, or on and after the initial start-up date, the owner or operator of a subject coating line shall collect and record all of the following information each day for each coating line and maintain the information at the facility for a period of three years:

- A) The name and identification number of each coating as applied on each coating line.
- B) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each coating line.

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- C) The daily-weighted average VOM content of all coatings as applied on each coating line as defined in Section 219.104.

- 3) On and after a date consistent with Section 219.106, the owner or operator of a subject coating line shall notify the Agency in the following instances:

- A) Any record showing violation of the requirements of Subpart PP or TT shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.
- B) At least 30 calendar days before changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use of capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a)(1). Upon changing the method of compliance with Subpart PP or TT from the use of complying coatings to the use of capture systems and control devices, the owner or operator shall comply with all requirements of subsection (a).

- c) Any owner or operator of a VOM emission source which is subject to the requirements of Subpart PP, QQ, RR or TT and complying by means of an alternative control plan which has been approved by the Agency and approved by the USEPA as a SIP revision shall comply with the recordkeeping and reporting requirements specified in the alternative control plan.

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219. Appendix A List of Chemicals Defining Synthetic Organic Chemical and Polymer Manufacturing

CAS No. ^a	Chemical
105-57-7	Acetal
75-07-0	Acetaldehyde
107-89-1	Acetaldol
60-35-5	Acetamide
103-84-4	Acetanilide
64-19-7	Acetic acid
108-24-7	Acetic anhydride
67-64-1	Acetone
75-86-5	Acetone cyanohydrin
75-05-8	Acetonitrile
98-86-2	Acetophenone
75-36-5	Acetyl chloride
74-86-2	Acetylene
107-02-8	Acrolein
79-06-1	Acrylamide
79-10-7	Acrylic acid & esters
107-13-1	Acrylonitrile
124-04-9	Adipic acid
111-69-3	Adiponitrile
(b)	Alkyl naphthalenes
107-18-6	Allyl alcohol
107-05-1	Allyl chloride
1321-11-5	Aminobenzoic acid
111-41-1	Aminoethylethanamine
123-30-8	p-aminophenol
628-63-7,	Amyl acetates
123-92-2	
71-41-0 ^c	Amyl alcohols
110-58-7	Amyl amine
543-59-9	Amyl chloride
110-68-7 ^c	Amyl mercaptans
1322-06-1	Amyl phenol
62-53-3	Aniline
142-04-1	Aniline hydrochloride
29191-52-4	Anisidine
100-66-3	Anisole
118-92-3	Anthranilic acid
84-65-1	Anthraquinone
100-52-7	Benzaldehyde
55-21-0	Benzamide
71-43-2	Benzene

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98-48-6	Benzenedisulfonic acid
98-11-3	Benzenesulfonic acid
134-81-6	Benzil
76-93-7	Benzilic acid
65-85-0	Benzoic acid
119-53-9	Benzooin
100-47-0	Benzonitrile
119-61-9	Benzophenone
98-07-7	Benzotrichloride
98-88-4	Benzoyl chloride
100-51-6	Benzoyl alcohol
100-46-9	Benzylamine
120-51-4	Benzyl benzoate
100-44-7	Benzyl chloride
98-87-3	Benzyl dichloride
92-52-4	Biphenyl
80-05-7	Bisphenol A
10-86-1	Bromobenzene
27497-51-4	Bromonaphthalene
106-99-0	Butadiene
106-98-9	n-butyl acetate
123-86-4	n-butyl acrylate
141-32-2	n-butyl alcohol
71-36-3	s-butyl alcohol
78-92-2	t-butyl alcohol
75-65-0	n-butylamine
109-73-9	s-butylamine
13952-84-6	t-butylamine
75-64-9	p-tert-butyl benzoic acid
98-73-7	1,3-butylene glycol
107-88-0	n-butyraldehyde
123-72-8	Butyric acid
107-92-6	Butyric anhydride
106-31-0	Butyronitrile
109-74-0	Caprolactam
105-60-2	Carbon disulfide
75-1-50	Carbon tetrabromide
558-13-4	Carbon tetrachloride
55-23-5	Cellulose acetate
9004-35-7	Chloroacetic acid
79-11-8	m-chloroaniline
108-42-9	o-chloroaniline
95-51-2	p-chloroaniline
106-47-8	Chlorobenzaldehyde
35913-09-8	Chlorobenzene
108-90-7	

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118-91-2,	Chlorobenzoic acid
535-80-8,	
74-11-3 ^c	Chlorobenzotrithloride
2136-81-4,	
5216-89-2,	Chlorobenzoyl chloride
5216-25-1 ^c	Chlorodifluoroethane
1321-03-5	Chlorodifluoromethane
75-45-6	Chloroform
25497-29-4	Chloronaphthalene
67-66-3	Chloronitrobenzene
25586-43-0	o-chloronitrobenzene
88-73-3	p-chloronitrobenzene
100-00-5	Chlorophenols
25167-80-0	Chloroprene
126-99-8	Chlorosulfonic acid
7790-94-5	m-chlorotoluene
108-41-8	o-chlorotoluene
95-49-8	p-chlorotoluene
106-43-4	Chlorotrifluoromethane
75-72-9	m-cresol
108-39-4	o-cresol
95-48-7	p-cresol
106-44-5	Mixed cresols
1319-77-3	Cresylic acid
1319-77-3	Crotonaldehyde
4170-30-0	Crotonic acid
3724-65-0	Cumene
98-82-8	Cumene hydroperoxide
80-15-9	Cyanoacetic acid
372-09-8	Cyanogen chloride
506-77-4	Cyanuric acid
108-80-5	Cyanuric chloride
108-77-0	Cyclohexane
110-82-7	Cyclohexanol
108-93-0	Cyclohexanone
108-94-1	Cyclohexene
110-83-8	Cyclohexylamine
108-91-8	Cyclooctadiene
111-78-4	Decanol
112-30-1	Diacetone alcohol
123-42-2	Diaminobenzoic acid
27576-04-1	Dichloroaniline
95-76-1,	
95-82-9,	
554-00-7,	
608-27-5,	

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608-31-1,	m-dichlorobenzene
626-43-7,	o-dichlorobenzene
27134-27-6,	p-dichlorobenzene
57311-92-9 ^c	Dichlorodifluoromethane
541-73-1	Dichloroethyl ether
95-50-1	1,2-dichloroethane (EDC)
106-46-7	Dichlorohydrin
75-71-8	Dichloropropene
111-44-4	Dicyclohexylamine
107-06-2	Diethylamine
96-23-1	Diethylene glycol
26952-23-8	Diethylene glycol diethyl ether
101-83-7	Diethylene glycol dimethyl ether
109-89-7	Diethylene glycol monobutyl ether
111-46-6	Diethylene glycol mononbutyl ether
112-36-7	Diethylene glycol mononbutyl ether acetate
111-96-6	Diethylene glycol monoethyl ether
112-34-5	Diethylene glycol monoethyl ether acetate
124-17-7	Diethyl sulfide
111-90-0	Diisobutylene
112-15-2	Diisodecyl phthalate
111-77-3	Diisooctyl phthalate
64-67-5	Diketene
75-37-6	Dimethylamine
25167-70-8	N,N-dimethylaniline
26761-40-0	N,N-dimethyl ether
27554-26-3	N,N-dimethylformamide
674-82-8	Dimethylhydrazine
124-40-3	Dimethyl sulfate
121-69-7	Dimethyl sulfide
115-10-6	Dimethyl sulfoxide
68-12-2	Dimethyl terephthalate
57-14-7	3,5-dinitrobenzoic acid
77-78-1	Dinitrophenol
75-18-3	Dinitrotoluene
67-68-5	Dioxane
120-61-6	Dioxilane
99-34-3	Diphenylamine
51-28-5	Diphenyl oxide
123-91-1	Diphenyl thiourea
646-06-0	
122-39-4	
101-84-4	
102-08-9	

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25265-71-8
25378-22-7
28675-17-4
27193-86-8
106-89-8
64-17-5
141-43-5^c
141-78-6
141-97-9
140-88-5
75-04-7
100-41-4
74-96-4
9004-57-3
75-00-3
105-39-5
105-56-6
74-85-1
96-49-1
107-07-3
107-15-3
106-93-4
107-21-1
111-55-7
110-71-4
111-76-2
112-07-2
110-80-5
111-15-9
109-86-4
110-49-6
122-99-6
2807-30-9
75-21-8
60-29-7
104-76-7
122-51-0
95-92-1
41892-71-1
50-00-0
75-12-7
64-18-6
110-17-8
98-01-1
56-81-5
26545-73-7

Dipropylene glycol
Dodecene
Dodecylaniline
Dodecylphenol
Epichlorohydrin
Ethanol
Ethanalamines
Ethyl acetate
Ethyl acetoacetate
Ethyl acrylate
Ethylamine
Ethylbenzene
Ethyl bromide
Ethylcellulose
Ethyl chloride
Ethyl chloroacetate
Ethylcyanoacetate
Ethylene
Ethylene carbonate
Ethylene chlorohydrin
Ethylenediamine
Ethylene dibromide
Ethylene glycol
Ethylene glycol diacetate
Ethylene glycol dimethyl ether
Ethylene glycol monobutyl ether
Ethylene glycol monobutyl ether acetate
Ethylene glycol monoethyl ether
Ethylene glycol monoethyl ether acetate
Ethylene glycol monoethyl ether acetate
Ethylene glycol monomethyl ether
Ethylene glycol monophenyl ether
Ethylene glycol monopropyl ether
Ethylene oxide
Ethyl ether
2-ethylhexanol
Ethyl orthoformate
Ethyl oxalate
Ethyl sodium oxaloacetate
Formaldehyde
Formamide
Formic acid
Fumaric acid
Furfural
Glycerol (synthetic)
Glycerol dichlorohydrin

25791-96-2
56-40-6
107-22-2
118-74-1
67-72-1
36653-82-4
124-09-4
629-11-8
100-97-0
74-90-8
123-31-9
99-96-7
26760-64-5
78-83-1
110-19-0
115-11-7
78-84-2
79-31-2
25339-17-7
26952-21-6
78-78-4
78-59-1
121-91-5
78-79-5
67-63-0
108-21-4
75-31-0
75-29-6
25168-06-3
463-51-4
(b)
123-01-3
110-16-7
108-31-6
6915-15-7
141-79-7
121-47-1
79-41-4
563-47-3
67-56-1
79-20-9
105-45-3
74-89-5
100-61-8
74-83-9
37365-71-2

Glycerol triether
Glycine
Glyoxal
Hexachlorobenzene
Hexachloroethane
Hexadecyl alcohol
Hexamethylenediamine
Hexamethylene glycol
Hexamethylenetetramine
Hydrogen cyanide
Hydroquinone
p-hydroxybenzoic acid
Isoamylene
Isobutanol
Isobutyl acetate
Isobutyrene
Isobutyraldehyde
Isobutyric acid
Isodecanol
Isooctyl alcohol
Isopentane
Isophorone
Isophthalic acid
Isoprene
Isopropanol
Isopropyl acetate
Isopropylamine
Isopropyl chloride
Isopropylphenol
Ketene
Linear alkyl sulfonate*
Linear alkylbenzene
Maleic acid
Maleic anhydride
Malic acid
Mesityl oxide
Metanilic acid
Methacrylic acid
Methallyl chloride
Methanol
Methyl acetate
Methyl acetoacetate
Methylamine
n-methylaniline
Methyl bromide
Methyl butynol

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74-87-3 Methyl chloride
 108-87-2 Methyl cyclohexane
 1331-22-2 Methyl cyclohexanone
 75-09-2 Methylene chloride
 101-77-9 Methylene dianiline
 101-68-8 Methylene diphenyl diisocyanate
 78-93-3 Methyl ethyl ketone
 107-31-3 Methyl formate
 108-11-2 Methyl isobutyl carbinol
 108-10-1 Methyl isobutyl ketone
 80-62-6 Methyl methacrylate
 77-75-8 Methylpentynol
 98-83-9 B-methylstyrene
 110-91-8 Morpholine
 85-47-2 a-naphthalene sulfonic acid
 120-18-3 B-naphthalene sulfonic acid
 90-15-3 a-naphthol
 135-19-3 B-naphthol
 75-98-9 Neopentanoic acid
 88-74-4 o-nitroaniline
 100-01-6 p-nitroaniline
 91-23-6 o-nitroanisole
 100-17-4 p-nitroanisole
 98-95-3 Nitrobenzene
 27178-83-2^c Nitrobenzoic acid (o, m & p)
 79-24-3 Nitroethane
 75-52-5 Nitromethane
 88-75-5 Nitrophenol
 25322-01-4 Nitropropane
 1321-12-6 Nitrotoluene
 27215-95-8 Nonene
 25154-52-3 Nonylphenol
 27193-28-8 Octylphenol
 123-63-7 Paraldehyde
 115-77-5 Pentaerythritol
 109-66-0 n-pentane
 109-67-1 l-pentene
 127-18-4 Perchloroethylene
 594-42-3 Perchloromethyl mercaptan
 94-70-2 o-phenetidine
 156-43-4 p-phenetidine
 108-95-2 Phenol
 98-67-9 Phenolsulfonic acids
 585-38-6,
 609-46-1,
 133-39-7

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91-40-7 Phenyl anthranilic acid
 (b) Phenylenediamine
 75-44-5 Phosgene
 85-44-9 Phthalic anhydride
 85-41-6 Phthalimide
 108-99-6 b-picoline
 110-85-0 Piperazine
 9003-29-6, Polybutenes
 25036-29-7^c Polyethylene glycol
 25322-68-3 Polypropylene glycol
 25322-69-4 Propionaldehyde
 123-38-6 Propionic acid
 79-09-4 n-propyl alcohol
 71-23-8 Propylamine
 107-10-8 Propyl chloride
 540-54-5 Propyl chloride
 115-07-1 Propylene
 127-00-4 Propylene chlorohydrin
 78-87-5 Propylene dichloride
 57-55-6 Propylene glycol
 75-56-9 Propylene oxide
 110-86-1 Pyridine
 106-51-4 Quinone
 108-46-3 Resorcinol
 27138-57-4 Resorcylic acid
 69-72-7 Salicylic acid
 127-09-3 Sodium acetate
 532-32-1 Sodium benzoate
 9004-32-4 Sodium carboxymethyl cellulose
 3926-62-3 Sodium chloroacetate
 141-53-7 Sodium formate
 139-02-6 Sodium phenate
 110-44-1 Sorbic acid
 100-42-5 Styrene
 110-15-6 Succinic acid
 110-61-2 Succinitrile
 121-57-3 Sulfanilic acid
 126-33-0 Sulfolane
 1401-55-4 Tannic acid
 100-21-0 Terephthalic acid
 79-34-5^c Tetrachloroethanes
 117-08-8 Tetrachlorophthalic anhydride
 78-00-2 Tetraethyllead
 119-64-2 Tetrahydronaphthalene
 85-43-8 Tetrahydrophthalic anhydride
 75-74-1 Tetramethyllead

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110-60-1	Tetramethylethylenediamine
110-18-9	Tetramethylethylenediamine
108-88-3	Toluene
95-80-7	Toluene-2,4-diamine
584-84-9	Toluene-2,4-diisocyanate
26471-62-5	Toluene diisocyanates (mixture)
1333-07-9	Toluene sulfonamide
104-15-4 ^c	Toluenesulfonic acids
98-59-9	Toluene sulfonyl chloride
26915-12-8	Toluidines
87-61-6,	Trichlorobenzenes
108-70-3	
120-82-1 ^c	
71-55-6	1,1,1-trichloroethane
79-00-5	1,1,2-trichloroethane
79-01-6	Trichloroethylene
75-69-4	Trichlorofluoromethane
96-18-4	1,2,3-trichloropropane
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane
121-44-8	Triethylamine
112-27-6	Triethylene glycol
112-49-2	Triethylene glycoldimethyl ether
7756-94-7	Triisobutylene
75-50-3	Trimethylamine
57-13-6	Urea
108-05-4	Vinyl acetate
75-01-4	Vinyl chloride
75-35-4	Vinylidene chloride
25013-15-4	Vinyl toluene
1330-20-7	Xylenes (mixed)
95-47-6	o-xylene
106-42-3	p-xylene
1300-71-6	Xylenol
1300-73-8	Xylidine
(b)	methyl tert-butyl ether
9002-88-4	Polyethylene
(b)	Polypropylene
9009-53-6	Polystyrene

a) CAS numbers refer to the Chemical Abstracts Registry numbers assigned to specific chemicals, isomers or mixtures of chemicals. Some isomers or mixtures that are covered by the standards do not have CAS numbers assigned to them. The standards apply to all of the chemicals listed, whether CAS numbers have been assigned or not.

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- b) No CAS number(s) have been assigned to this chemical, to its isomers, or mixtures containing these chemicals.
- c) CAS numbers for some of the isomers are listed: the standards apply to all of the isomers and mixtures, even if CAS numbers have not been assigned.

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219. Appendix B VOM Measurement Techniques for Capture Efficiency

Procedure G.1 - Captured VOC Emissions

shall be heated to prevent VOC condensation.

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOC) content of captured gas streams. It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOC at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOC captured (G) is calculated as the sum of the products of the VOC content (C_{Gj}), the flow rate (Q_{Gj}), and the sample time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_{Gj} = 5.5$ percent and $C_{Gj} = 5.0$ percent. Based on these numbers, the probable uncertainty for G is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to cause a response in the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

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2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is present. An out-of-stack filter must be heated to prevent any

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condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emission locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Conduct a system check according to the procedure in Section 5.3.

4.2.3 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

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4.2.4 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.5 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.6 Verify that the sample lines, filter, and pump temperatures are 120 ± 5°C.

4.2.7 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDOs of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDOs, choose 6 sampling points evenly spaced among the NDOs.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3. NOTE: This sample train shall be a separate sampling train from the one to measure the captured emissions.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and

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sample according to the procedures described in Sections 4.2.4 to 4.2.7.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift checks at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i , ft^2 .

A_n = total area of all NDOs in the enclosure, ft^2 .

C_{gi} = corrected average VOC concentration of background emissions at point i , ppm propane.

C_g = average background concentration, ppm propane.

C_{gj} = corrected average VOC concentration of captured emissions at point j , ppm propane.

C_{DH} = average measured concentration for the drift check calibration gas, ppm propane.

C_{D0} = average system drift check concentration for zero concentration gas, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

C_i = uncorrected average background VOC concentration measured at point i , ppm propane.

C_j = uncorrected average VOC concentration measured at point j , ppm propane.

G = total VOC content of captured emissions, kg.

K_1 = 1.830×10^{-6} $\text{kg}/(\text{m}^3\text{-ppm})$.

n = number of measurement points.

Q_{gj} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j , m^3/min .

T_c = total duration of captured emissions sampling run, min.

7. CALCULATIONS

7.1 Total VOC Captured Emissions.

$$G = \sum_{j=1}^n (C_{gj} - C_g) Q_{gj} T_c K_1 \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Captured Emissions at Point j .

$$C_{gj} = (C_j - C_{D0}) \frac{C_{DH} - C_{D0}}{C_{DH} - C_{D0}} \quad \text{Eq. 2}$$

7.3 Background VOC Concentration at Point i .

$$C_{gi} = (C_i - C_{D0}) \frac{C_{DH} - C_{D0}}{C_{DH} - C_{D0}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$C_g = \frac{\sum_{i=1}^n C_{gi} A_i}{n A_n} \quad \text{Eq. 4}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms " A_i " and " A_n " may be deleted from Equation 4.

Procedure G.2 - Captured VOC Emissions (Dilution Technique)

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the volatile organic compounds (VOC) content of captured gas streams. It is intended to be used as a segment in the development of a gas/gas protocol in which fugitive emissions are measured for determining VOC capture efficiency (CE) for surface coating and printing operations. A dilution system is used to reduce the VOC concentration of the captured emission to about the same concentration as the fugitive emissions. The procedure may not be acceptable in certain site-specific situations, e.g., when: (1) direct fired heaters or other circumstances affect the quantity of VOC at the control device inlet; and (2) particulate organic aerosols are formed in the process and are present in the captured emissions.

1.2 Principle. The amount of VOC captured (G) is calculated as the sum of the products of the VOC content (C_{ci}), the flow rate (Q_{ci}), and the sampling time (T_c) from each captured emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each captured or fugitive emissions point as follows: $Q_{ci} = \pm 5.5$ percent and $C_{ci} = \pm 5$ percent. Based on these numbers, the probable uncertainty for G is estimated at about ± 7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described

below:

2.1.1 Dilution System. A Kipp in-stack dilution probe and controller or similar device may be used. The dilution rate may be changed by substituting different critical orifices or adjustments of the aspirator supply pressure. The dilution system shall be heated to prevent VOC condensation. Note: An out-of-stack dilution device may be used.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If captured or fugitive emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however,

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other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

- 2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.
- 2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas and Dilution Air Supply. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and

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high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.9.4 Dilution Check Gas. Gas mixture standard containing propane in air, approximately half the span value after dilution.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Captured Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF CAPTURED EMISSIONS

3.1 Locate all points where emissions are captured from the affected facility. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF CAPTURED EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each captured emissions point during the entire test run or, if applicable, while the process is operating. If there are multiple captured emissions locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

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4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA according to the procedure in Section 5.1.

4.2.2 Set the dilution ratio and determine the dilution factor according to the procedure in Section 5.3.

4.2.3 Conduct a system check according to the procedure in Section 5.4.

4.2.4 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.5 Inject zero gas at the calibration valve assembly.

Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.6 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.4. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.7 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.8 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple captured emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Locate all NDOs of the TTE. A sampling point shall be

centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDOs, choose 6 sampling points evenly spaced among the NDOs.

4.3.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.4.

4.3.3 Position the probe at the sampling location.

4.3.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.4 to 4.2.8.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system after the dilution system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the diluted captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at

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the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct the system drift check at the end of each run.

5.3 Determination of Dilution Factor. Inject the dilution check gas into the measurement system before the dilution system and record the response. Calculate the dilution factor using Equation 3.

5.4 System Check. Inject the high range calibration gas at the inlet to the sampling probe while the dilution air is turned off. Record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before and after each test run.

5.5 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i, ft².

A_n = total area of all NDOs in the enclosure, ft².

C_A = actual concentration of the dilution check gas, ppm propane.

C_{Bi} = corrected average VOC concentration of background emissions at point i, ppm propane.

C_B = average background concentration, ppm propane.

C_{DH} = average measured concentration for the drift check calibration gas, ppm propane.

C_{D0} = average system drift check concentration for zero concentration gas, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

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C_i = uncorrected average background VOC concentration measured at point i, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

C_H = measured concentration of the dilution check gas, ppm propane.

DF = dilution factor.

G = total VOC content of captured emissions, kg.

K_1 = 1.830×10^{-6} kg/(m³-ppm).

n = number of measurement points.

Q_{ej} = average effluent volumetric flow rate corrected to standard conditions at captured emissions point j, m³/min.

T_c = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOC Captured Emissions.

$$G = \sum_{j=1}^n C_{ej} Q_{ej} T_c K_1 \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Captured Emissions at Point j.

$$C_{ej} = DF (C_j - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 2}$$

7.3 Dilution Factor.

$$D_f = \frac{C_H}{C_H - C_{D0}} \quad \text{Eq. 3}$$

7.4 Background VOC Concentration at Point i.

$$C_{Bi} = (C_i - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 4}$$

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7.5 Average Background Concentration.

$$C_b = \frac{\sum_{i=1}^n C_{bi} A_i}{nA_n} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms "A_i" and "A_n" may be deleted from Equation 4.

Procedure F.2 - Fugitive VOC Emissions from Building Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOC) emissions from a building enclosure (BE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The total amount of fugitive VOC emissions (F_g) from the BE is calculated as the sum of the products of the VOC content (C_{fi}) of each fugitive emissions point, its flow rate (Q_{fi}), and time (T_i).

1.3 Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emissions point as follows: Q_{fi} = ±5.0 percent and C_{fi} = ±5.0 percent. Based on these numbers, the probable uncertainty for F_g is estimated at about ±11.2 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

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2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOC condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow rate control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

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- 2.1.7.1 Zero Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.
- 2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.
- 2.1.7.4 Response Time. Less than 30 seconds.
- 2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.
- 2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate

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measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Flow Direction Indicators. Any means of indicating inward or outward flow, such as light plastic film or paper streamers, smoke tubes, filaments, and sensory perception.

2.2.2 Method 2 or 2A Apparatus. For determining volumetric flow rate. Anemometers or similar devices calibrated according to the manufacturer's instructions may be used when low velocities are present. Vane anemometers (Young-maximum response propeller), specialized pitots with electronic manometers (e.g., Shortridge Instruments Inc., Airdata Multimeter 860) are commercially available with measurement thresholds of 15 and 8 mpm (50 and 25 fpm), respectively.

2.2.3 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.4 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Preliminary Determinations. The purpose of this exercise is to determine which exhaust points should be measured for volumetric flow rates and VOC concentrations.

3.1.1 Forced Draft Openings. Identify all forced draft openings. Determine the volumetric flow rate according to Method 2.

3.1.2 NDOs Exhaust Points. The NDOs in the roof of a facility are considered to be exhaust points. Determine volumetric flow rate from these NDOs. Divide the cross-sectional area according to Method 1 using 12 equal areas. Use the appropriate velocity measurement devices, e.g., propeller anemometers.

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3.1.3 Other NDOs.

3.1.3.1 This step is optional. Determine the exhaust flow rate, including that of the control device, from the enclosure and the intake air flow rate. If the exhaust flow rate divided by the intake air flow rate is greater than 1.1, then all other NDOs are not considered to be significant exhaust points.

3.1.3.2 If the option above is not taken, identify all other NDOs and other potential points through which fugitive emissions may escape the enclosure. Then use the following criteria to determine whether flow rates and VOC concentrations need to be measured:

3.1.3.2.1 Using the appropriate flow direction indicator, determine the flow direction. An NDO with zero or inward flow is not an exhaust point.

3.1.3.2.2 Measure the outward volumetric flow rate from the remainder of the NDOs. If the collective flow rate is 2 percent, or less, of the flow rate from Sections 3.1.1 and 3.1.2, then these NDOs, except those within two equivalent diameters (based on NDO opening) from VOC sources, may be considered to be non-exhaust points.

3.1.3.2.3 If the percentage calculated in Section 3.1.3.2.2 is greater than 2 percent, those NDOs (except those within two equivalent diameters from VOC sources) whose volumetric flow rate total 2 percent of the flow rate from Sections 3.1.1 and 3.1.2 may be considered as non-exhaust points. All remaining NDOs shall be measured for volumetric flow rate and VOC concentrations during the CE test.

3.1.3.2.4 The tester may choose to measure VOC concentrations at the forced exhaust points and the NDOs. If the total VOC emissions from the NDOs are less than 2 percent of the emissions from the forced draft and roof NDOs, then these NDOs may be eliminated from further consideration.

3.2 Determination of Flow Rates.

3.2.1 Measure the volumetric flow rate at all locations identified as exhaust points in Section 3.1. Divide each exhaust opening into 9 equal areas for rectangular openings and 8 for circular openings.

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3.2.2 Measure the velocity at each site at least once every hour during each sampling run using Method 2 or 2A, if applicable, or using the low velocity instruments in Section 2.2.2.

4. DETERMINATION OF VOC CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emissions locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are 120 \pm 5°C.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling

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time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Alternative Procedure The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas that most closely approximates the concentration of the captured emissions for conducting the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system

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response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

C_{OH} = average measured concentration for the drift check calibration gas, ppm propane.

C_{00} = average system drift check concentration for zero concentration gas, ppm propane.

C_{fj} = corrected average VOC concentration of fugitive emissions at point j, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

F_B = total VOC content of fugitive emissions from the building, kg.

K_1 = 1.830×10^{-6} kg/(m³-ppm).

n = number of measurement points.

Q_{fj} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point j, m³/min.

T_f = total duration of capture efficiency sampling run, min.

7. CALCULATIONS

7.1 Total VOC Fugitive Emissions From the Building.

$$F_B = \sum_{j=1}^n C_{fj} Q_{fj} T_f K_1 \quad \text{Eq. 1}$$

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7.2 VOC Concentration of the Fugitive Emissions at Point j.

$$C_{fj} = (C_j - C_{00}) \frac{C_H}{C_{0H} - C_{00}} \quad \text{Eq. 2}$$

Procedure F.1 - Fugitive VOC Emissions from Temporary Enclosures

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the fugitive volatile organic compounds (VOC) emissions from a temporary total enclosure (TTE). It is intended to be used as a segment in the development of liquid/gas or gas/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of fugitive VOC emissions (F) from the TTE is calculated as the sum of the products of the VOC content (C_{fj}), the flow rate (Q_{fj}), and the sampling time (T_f) from each fugitive emissions point.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each fugitive emission point as follows: Q_{fj} = ±5.5 percent and CF_j = ±5.0 percent. Based on these numbers, the probable uncertainty for F is estimated at about ±7.4 percent.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Gas VOC Concentration. A schematic of the measurement system is shown in Figure 1. The main components are described below:

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2.1.1 Sample Probe. Stainless steel, or equivalent. The probe shall be heated to prevent VOC condensation.

2.1.2 Calibration Valve Assembly. Three-way valve assembly at the outlet of sample probe to direct the zero and calibration gases to the analyzer. Other methods, such as quick-connect lines, to route calibration gases to the outlet of the sample probe are acceptable.

2.1.3 Sample Line. Stainless steel or Teflon tubing to transport the sample gas to the analyzer. The sample line must be heated to prevent condensation.

2.1.4 Sample Pump. A leak-free pump, to pull the sample gas through the system at a flow rate sufficient to minimize the response time of the measurement system. The components of the pump that contact the gas stream shall be constructed of stainless steel or Teflon. The sample pump must be heated to prevent condensation.

2.1.5 Sample Flow Rate Control. A sample flow rate control valve and rotameter, or equivalent, to maintain a constant sampling rate within 10 percent. The flow control valve and rotameter must be heated to prevent condensation. A control valve may also be located on the sample pump bypass loop to assist in controlling the sample pressure and flow rate.

2.1.6 Sample Gas Manifold. Capable of diverting a portion of the sample gas stream to the flame ionization analyzer (FIA), and the remainder to the bypass discharge vent. The manifold components shall be constructed of stainless steel or Teflon. If emissions are to be measured at multiple locations, the measurement system shall be designed to use separate sampling probes, lines, and pumps for each measurement location and a common sample gas manifold and FIA. The sample gas manifold and connecting lines to the FIA must be heated to prevent condensation.

2.1.7 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.1.7.1 Zero Drift. Less than ±3.0 percent of the span value.

2.1.7.2 Calibration Drift. Less than ± 3.0 percent of the span value.

2.1.7.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.1.7.4 Response Time. Less than 30 seconds.

2.1.8 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.1.9 Calibration and Other Gases. Gases used for calibration, fuel, and combustion air (if required) are contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.1.9.1 Fuel. A 40 percent $H_2/60$ percent He or 40 percent $H_2/60$ percent N_2 gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.1.9.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane or carbon equivalent) or less than 0.1 percent of the span value, whichever is greater.

2.1.9.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.1.10 Particulate Filter. An in-stack or an out-of-stack glass

fiber filter is recommended if exhaust gas particulate loading is significant. An out-of-stack filter must be heated to prevent any condensation unless it can be demonstrated that no condensation occurs.

2.2 Fugitive Emissions Volumetric Flow Rate.

2.2.1 Method 2 or 2A Apparatus. For determining volumetric flow rate.

2.2.2 Method 3 Apparatus and Reagents. For determining molecular weight of the gas stream. An estimate of the molecular weight of the gas stream may be used if it can be justified.

2.2.3 Method 4 Apparatus and Reagents. For determining moisture content, if necessary.

2.3 Temporary Total Enclosure. The criteria for designing a TTE are discussed in Procedure T.

3. DETERMINATION OF VOLUMETRIC FLOW RATE OF FUGITIVE EMISSIONS

3.1 Locate all points where emissions are exhausted from the TTE. Using Method 1, determine the sampling points. Be sure to check each site for cyclonic or swirling flow.

3.2 Measure the velocity at each sampling site at least once every hour during each sampling run using Method 2 or 2A.

4. DETERMINATION OF VOC CONTENT OF FUGITIVE EMISSIONS

4.1 Analysis Duration. Measure the VOC responses at each fugitive emission point during the entire test run or, if applicable, while the process is operating. If there are multiple emission locations, design a sampling system to allow a single FIA to be used to determine the VOC responses at all sampling locations.

4.2 Gas VOC Concentration.

4.2.1 Assemble the sample train as shown in Figure 1. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3, respectively.

4.2.2 Install the sample probe so that the probe is centrally located in the stack, pipe, or duct, and is sealed tightly at the

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stack port connection.

4.2.3 Inject zero gas at the calibration valve assembly. Allow the measurement system response to reach zero. Measure the system response time as the time required for the system to reach the effluent concentration after the calibration valve has been returned to the effluent sampling position.

4.2.4 Conduct a system check before and a system drift check after each sampling run according to the procedures in Sections 5.2 and 5.3. If the drift check following a run indicates unacceptable performance, the run is not valid. The tester may elect to perform system drift checks during the run not to exceed one drift check per hour.

4.2.5 Verify that the sample lines, filter, and pump temperatures are $120 \pm 5^\circ\text{C}$.

4.2.6 Begin sampling at the start of the test period and continue to sample during the entire run. Record the starting and ending times and any required process information as appropriate. If multiple emission locations are sampled using a single FIA, sample at each location for the same amount of time (e.g., 2 minutes) and continue to switch from one location to another for the entire test run. Be sure that total sampling time at each location is the same at the end of the test run. Collect at least 4 separate measurements from each sample point during each hour of testing. Disregard the response measurements at each sampling location until two times the response time of the measurement system has elapsed. Continue sampling for at least 1 minute and record the concentration measurements.

4.3 Background Concentration.

4.3.1 Determination of VOC Background Concentration.

4.3.1.1 Locate all NDOs of the TTE. A sampling point shall be centrally located outside of the TTE at 4 equivalent diameters from each NDO, if possible. If there are more than 6 NDOs, choose 6 sampling points evenly spaced among the NDOs.

4.3.1.2 Assemble the sample train as shown in Figure 2. Calibrate the FIA and conduct a system check according to the procedures in Sections 5.1 and 5.3.

4.3.1.3 Position the probe at the sampling location.

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4.3.1.4 Determine the response time, conduct the system check and sample according to the procedures described in Sections 4.2.3 to 4.2.6.

4.4 Alternative Procedure. The direct interface sampling and analysis procedure described in Section 7.2 of Method 18 may be used to determine the gas VOC concentration. The system must be designed to collect and analyze at least one sample every 10 minutes.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. Select the calibration gas concentration that most closely approximates that of the fugitive gas emissions to conduct the drift checks. Introduce the zero and calibration gas at the calibration valve assembly and verify that the appropriate gas flow rate and pressure are present at the FIA. Record the measurement system responses to the zero and calibration gases. The performance of the system is acceptable if the difference between the drift check measurement and the value obtained in Section 5.1 is less than 3 percent of the span value. Conduct a system drift check at the end of each run.

5.3 System Check. Inject the high range calibration gas at the inlet of the sampling probe and record the response. The performance of the system is acceptable if the measurement system response is within 5 percent of the value obtained in Section 5.1 for the high range calibration gas. Conduct a system check before each test run.

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5.4 Analysis Audit. Immediately before each test analyze an audit cylinder as described in Section 5.2. The analysis audit must agree with the audit cylinder concentration within 10 percent.

6. NOMENCLATURE

A_i = area of NDO i, ft².

A_N = total area of all NDOs in the enclosure, ft².

C_{bi} = corrected average VOC concentration of background emissions at point i, ppm propane.

C_g = average background concentration, ppm propane.

C_{DH} = average measured concentration for the drift check calibration gas, ppm propane.

C_{D0} = average system drift check concentration for zero concentration gas, ppm propane.

C_{fi} = corrected average VOC concentration of fugitive emissions at point i, ppm propane.

C_H = actual concentration of the drift check calibration gas, ppm propane.

C_i = uncorrected average background VOC concentration at point i, ppm propane.

C_j = uncorrected average VOC concentration measured at point j, ppm propane.

F = total VOC content of fugitive emissions, kg.

K_1 = 1.830×10^{-6} kg/(m³-ppm).

n = number of measurement points.

Q_{fi} = average effluent volumetric flow rate corrected to standard conditions at fugitive emissions point i, m³/min.

T_f = total duration of fugitive emissions sampling run, min.

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7. CALCULATIONS

7.1 Total VOC Fugitive Emissions.

$$F = \sum_{j=1}^n (C_{fj} - C_g) Q_{fj} T_f K_1 \quad \text{Eq. 1}$$

7.2 VOC Concentration of the Fugitive Emissions at Point j.

$$C_{fj} = (C_j - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 2}$$

7.3 Background VOC Concentration at Point i.

$$C_{bi} = (C_i - C_{D0}) \frac{C_H}{C_{DH} - C_{D0}} \quad \text{Eq. 3}$$

7.4 Average Background Concentration.

$$C_g = \frac{\sum_{i=1}^n C_{bi} A_i}{nA_N} \quad \text{Eq. 5}$$

NOTE: If the concentration at each point is within 20 percent of the average concentration of all points, the terms " A_i " and " A_N " may be deleted from Equation 4.

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Procedure L - VOC Input

1. INTRODUCTION

1.1 Applicability. This procedure is applicable for determining the input of volatile organic compounds (VOC). It is intended to be used as a segment in the development of liquid/gas protocols for determining VOC capture efficiency (CE) for surface coating and printing operations.

1.2 Principle. The amount of VOC introduced to the process (L) is the sum of the products of the weight (W) of each VOC containing liquid (ink, paint, solvent, etc.) used and its VOC content (V). A sample of each VOC containing liquid is analyzed with a flame ionization analyzer (FIA) to determine V.

1.3 Estimated Measurement Uncertainty. The measurement uncertainties are estimated for each VOC containing liquid as follows: $W = \pm 2.0$ percent and $V = \pm 12.0$ percent. Based on these numbers, the probable uncertainty for L is estimated at about ± 12.2 percent for each VOC containing liquid.

1.4 Sampling Requirements. A capture efficiency test shall consist of at least three sampling runs. The sampling time for each run should be at least 8 hours, unless otherwise approved.

1.5 Notes. Because this procedure is often applied in highly explosive areas, caution and care should be exercised in choosing appropriate equipment and installing and using the equipment. Mention of trade names or company products does not constitute endorsement. All gas concentrations (percent, ppm) are by volume, unless otherwise noted.

2. APPARATUS AND REAGENTS

2.1 Liquid Weight.

2.1.1 Balances/Digital Scales. To weigh drums of VOC containing liquids to within 0.2 lb.

2.1.2 Volume Measurement Apparatus (Alternative). Volume meters, flow meters, density measurement equipment, etc., as needed to achieve same accuracy as direct weight measurements.

2.2 VOC Content (Flame Ionization Analyzer Technique). The liquid sample analysis system is shown in Figures 1 and 2. The

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following equipment is required:

2.2.1 Sample Collection Can. An appropriately sized metal can to be used to collect VOC containing materials. The can must be constructed in such a way that it can be grounded to the coating container.

2.2.2 Needle Valves. To control gas flow.

2.2.3 Regulators. For carrier gas and calibration gas cylinders.

2.2.4 Tubing. Teflon or stainless steel tubing with diameters and lengths determined by connection requirements of equipment. The tubing between the sample oven outlet and the FIA shall be heated to maintain a temperature of $120 \pm 5^\circ\text{C}$.

2.2.5 Atmospheric Vent. A tee and 0- to 0.5-liter/min rotameter placed in the sampling line between the carrier gas cylinder and the VOC sample vessel to release the excess carrier gas. A toggle valve placed between the tee and the rotameter facilitates leak tests of the analysis system.

2.2.6 Thermometer. Capable of measuring the temperature of the hot water bath to within 1°C .

2.2.7 Sample Oven. Heated enclosure, containing calibration gas coil heaters, critical orifice, aspirator, and other liquid sample analysis components, capable of maintaining a temperature of $120 \pm 5^\circ\text{C}$.

2.2.8 Gas Coil Heaters. Sufficient lengths of stainless steel or Teflon tubing to allow zero and calibration gases to be heated to the sample oven temperature before entering the critical orifice or aspirator.

2.2.9 Water Bath. Capable of heating and maintaining a sample vessel temperature of $100 \pm 5^\circ\text{C}$.

2.2.10 Analytical Balance. To measure ± 0.001 g.

2.2.11 Disposable Syringes. 2-cc or 5-cc.

2.2.12 Sample Vessel. Glass, 40-ml septum vial. A separate vessel is needed for each sample.

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2.2.13 Rubber Stopper. Two-hole stopper to accommodate 3.2-mm (1/8-in.) Teflon tubing, appropriately sized to fit the opening of the sample vessel. The rubber stopper should be wrapped in Teflon tape to provide a tighter seal and to prevent any reaction of the sample with the rubber stopper. Alternatively, any leak-free closure fabricated of non-reactive materials and accommodating the necessary tubing fittings may be used.

2.2.14 Critical Orifices. Calibrated critical orifices capable of providing constant flow rates from 50 to 250 ml/min at known pressure drops. Sapphire orifice assemblies (available from O'Keefe Controls Company) and glass capillary tubing have been found to be adequate for this application.

2.2.15 Vacuum Gauge. 0- to 760-mm (0- to 30-in.) Hg U-tube manometer or vacuum gauge.

2.2.16 Pressure Gauge. Bourdon gauge capable of measuring the maximum air pressure at the aspirator inlet (e.g., 100 psig).

2.2.17 Aspirator. A device capable of generating sufficient vacuum at the sample vessel to create critical flow through the calibrated orifice when sufficient air pressure is present at the aspirator inlet. The aspirator must also provide sufficient sample pressure to operate the FIA. The sample is also mixed with the dilution gas within the aspirator.

2.2.18 Soap Bubble Meter. Of an appropriate size to calibrate the critical orifices in the system.

2.2.19 Organic Concentration Analyzer. An FIA with a span value of 1.5 times the expected concentration as propane; however, other span values may be used if it can be demonstrated that they would provide more accurate measurements. The system shall be capable of meeting or exceeding the following specifications:

2.2.19.1 Zero Drift. Less than ± 3.0 percent of the span value.

2.2.19.2 Calibration Drift. Less than ± 3.0 percent of span value.

2.2.19.3 Calibration Error. Less than ± 5.0 percent of the calibration gas value.

2.2.20 Integrator/Data Acquisition System. An analog or digital device or computerized data acquisition system used to integrate

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the FIA response or compute the average response and record measurement data. The minimum data sampling frequency for computing average or integrated values is one measurement value every 5 seconds. The device shall be capable of recording average values at least once per minute.

2.2.21 Chart Recorder (Optional). A chart recorder or similar device is recommended to provide a continuous analog display of the measurement results during the liquid sample analysis.

2.2.22 Calibration and Other Gases. For calibration, fuel, and combustion air (if required) contained in compressed gas cylinders. All calibration gases shall be traceable to NIST standards and shall be certified by the manufacturer to ± 1 percent of the tag value. Additionally, the manufacturer of the cylinder should provide a recommended shelf life for each calibration gas cylinder over which the concentration does not change more than ± 2 percent from the certified value. For calibration gas values not generally available, alternative methods for preparing calibration gas mixtures, such as dilution systems, may be used with prior approval.

2.2.22.1 Fuel. A 40 percent H₂/60 percent He or 40 percent H₂/60 percent N₂ gas mixture is recommended to avoid an oxygen synergism effect that reportedly occurs when oxygen concentration varies significantly from a mean value.

2.2.22.2 Carrier Gas. High purity air with less than 1 ppm of organic material (as propane) or less than 0.1 percent of the span value, whichever is greater.

2.2.22.3 FIA Linearity Calibration Gases. Low-, mid-, and high-range gas mixture standards with nominal propane concentrations of 20-30, 45-55, and 70-80 percent of the span value in air, respectively. Other calibration values and other span values may be used if it can be shown that more accurate measurements would be achieved.

2.2.22.4 System Calibration Gas. Gas mixture standard containing propane in air, approximating the undiluted VOC concentration expected for the liquid samples.

3. DETERMINATION OF LIQUID INPUT WEIGHT

3.1 Weight Difference. Determine the amount of material introduced to the process as the weight difference of the feed

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material before and after each sampling run. In determining the total VOC containing liquid usage, account for: (a) the initial (beginning) VOC containing liquid mixture; (b) any solvent added during the test run; (c) any coating added during the test run; and (d) any residual VOC containing liquid mixture remaining at the end of the sample run.

3.1.1 Identify all points where VOC containing liquids are introduced to the process. To obtain an accurate measurement of VOC containing liquids, start with an empty fountain (if applicable). After completing the run, drain the liquid in the fountain back into the liquid drum (if possible), and weigh the drum again. Weigh the VOC containing liquids to 0.5 percent of the total weight (full) or 0.1 percent of the total weight of VOC containing liquid used during the sample run, whichever is less. If the residual liquid cannot be returned to the drum, drain the fountain into a preweighed empty drum to determine the final weight of the liquid.

3.1.2 If it is not possible to measure a single representative mixture, then weigh the various components separately (e.g., if solvent is added during the sampling run, weigh the solvent before it is added to the mixture). If a fresh drum of VOC containing liquid is needed during the run, then weigh both the empty drum and fresh drum.

3.2 Volume Measurement (Alternative). If direct weight measurements are not feasible, the tester may use volume meters and flow rate meters (and density measurements) to determine the weight of liquids used if it can be demonstrated that the technique produces results equivalent to the direct weight measurements. If a single representative mixture cannot be measured, measure the components separately.

4. DETERMINATION OF VOC CONTENT IN INPUT LIQUIDS

4.1 Collection of Liquid Samples.

4.1.1 Collect a 100-ml or larger sample of the VOC containing liquid mixture at each application location at the beginning and end of each test run. A separate sample should be taken of each VOC containing liquid added to the application mixture during the test run. If a fresh drum is needed during the sampling run, then obtain a sample from the fresh drum.

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4.1.2 When collecting the sample, ground the sample container to the coating drum. Fill the sample container as close to the rim as possible to minimize the amount of headspace.

4.1.3 After the sample is collected, seal the container so the sample cannot leak out or evaporate.

4.1.4 Label the container to identify clearly the contents.

4.2 Liquid Sample VOC Content.

4.2.1 Assemble the liquid VOC content analysis system as shown in Figure 1.

4.2.2 Permanently identify all of the critical orifices that may be used. Calibrate each critical orifice under the expected operating conditions (i.e., sample vacuum and temperature) against a volume meter as described in Section 5.3.

4.2.3 Label and tare the sample vessels (including the stoppers and caps) and the syringes.

4.2.4 Install an empty sample vessel and perform a leak test of the system. Close the carrier gas valve and atmospheric vent and evacuate the sample vessel to 250 mm (10 in) Hg absolute or less using the aspirator. Close the toggle valve at the inlet to the aspirator and observe the vacuum for at least one minute. If there is any change in the sample pressure, release the vacuum, adjust or repair the apparatus as necessary and repeat the leak test.

4.2.5 Perform the analyzer calibration and linearity checks according to the procedure in Section 5.1. Record the responses to each of the calibration gases and the back-pressure setting of the FIA.

4.2.6 Establish the appropriate dilution ratio by adjusting the aspirator air supply or substituting critical orifices. Operate the aspirator at a vacuum of at least 25 mm (1 in) Hg greater than the vacuum necessary to achieve critical flow. Select the dilution ratio so that the maximum response of the FIA to the sample does not exceed the high-range calibration gas.

4.2.7 Perform system calibration checks at two levels by introducing compressed gases at the inlet to the sample vessel while the aspirator and dilution devices are operating. Perform

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these checks using the carrier gas (zero concentration) and the system calibration gas. If the response to the carrier gas exceeds 0.5 percent of span, clean or repair the apparatus and repeat the check. Adjust the dilution ratio as necessary to achieve the correct response to the upscale check, but do not adjust the analyzer calibration. Record the identification of the orifice, aspirator air supply pressure, FIA back-pressure, and the responses of the FIA to the carrier and system calibration gases.

4.2.8 After completing the above checks, inject the system calibration gas for approximately 10 minutes. Time the exact duration of the gas injection using a stopwatch. Determine the area under the FIA response curve and calculate the system response factor based on the sample gas flow rate, gas concentration, and the duration of the injection as compared to the integrated response using Equations 2 and 3.

4.2.9 Verify that the sample oven and sample line temperatures are 120 °5.C and that the water bath temperature is 100 °5.C.

4.2.10 Fill a tared syringe with approximately 1 g of the VOC containing liquid and weigh it. Transfer the liquid to a tared sample vessel. Plug the sample vessel to minimize sample loss. Weigh the sample vessel containing the liquid to determine the amount of sample actually received. Also, as a quality control check, weigh the empty syringe to determine the amount of material delivered. The two coating sample weights should agree within 0.02 g. If not, repeat the procedure until an acceptable sample is obtained.

4.2.11 Connect the vessel to the analysis system. Adjust the aspirator supply pressure to the correct value. Open the valve on the carrier gas supply to the sample vessel and adjust it to provide a slight excess flow to the atmospheric vent. As soon as the initial response of the FIA begins to decrease, immerse the sample vessel in the water bath. (Applying heat to the sample vessel too soon may cause the FID response to exceed the calibrated range of the instrument, and thus invalidate the analysis.)

4.2.12 Continuously measure and record the response of the FIA until all of the volatile material has been evaporated from the sample and the instrument response has returned to the baseline (i.e., response less than 0.5 percent of the span value). Observe the aspirator supply pressure, FIA back-pressure,

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atmospheric vent, and other system operating parameters during the run; repeat the analysis procedure if any of these parameters deviate from the values established during the system calibration checks in Section 4.2.7. After each sample perform the drift check described in Section 5.2. If the drift check results are acceptable, calculate the VOC content of the sample using the equations in Section 7. Integrate the area under the FIA response curve, ordetermine the average concentration response and the duration of sample analysis.

5. CALIBRATION AND QUALITY ASSURANCE

5.1 FIA Calibration and Linearity Check. Make necessary adjustments to the air and fuel supplies for the FIA and ignite the burner. Allow the FIA to warm up for the period recommended by the manufacturer. Inject a calibration gas into the measurement system and adjust the back-pressure regulator to the value required to achieve the flow rates specified by the manufacturer. Inject the zero- and the high-range calibration gases and adjust the analyzer calibration to provide the proper responses. Inject the low- and mid-range gases and record the responses of the measurement system. The calibration and linearity of the system are acceptable if the responses for all four gases are within 5 percent of the respective gas values. If the performance of the system is not acceptable, repair or adjust the system and repeat the linearity check. Conduct a calibration and linearity check after assembling the analysis system and after a major change is made to the system.

5.2 Systems Drift Checks. After each sample, repeat the system calibration checks in Section 4.2.7 before any adjustments to the FIA or measurement system are made. If the zero or calibration drift exceeds 3 percent of the span value, discard the result and repeat the analysis.

5.3 Critical Orifice Calibration.

5.3.1 Each critical orifice must be calibrated at the specific operating conditions that it will be used. Therefore, assemble all components of the liquid sample analysis system as shown in Figure 3. A stopwatch is also required.

5.3.2 Turn on the sample oven, sample line, and water bath heaters and allow the system to reach the proper operating temperature. Adjust the aspirator to a vacuum of 380 mm (15 in.) Hg vacuum. Measure the time required for one soap bubble to move

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a known distance and record barometric pressure.

5.3.3 Repeat the calibration procedure at a vacuum of 406 mm (16 in) Hg and at 25mm (1-in) Hg intervals until three consecutive determinations provide the same flow rate. Calculate the critical flow rate for the orifice in ml/min at standard conditions. Record the vacuum necessary to achieve critical flow.

6. NOMENCLATURE

A_L = area under the response curve of the liquid sample, area count.

A_s = area under the response curve of the calibration gas, area count.

C_s = actual concentration of system calibration gas, ppm propane.

$K = 1.830 \times 10^{-9}$ g/(ml-ppm).

L = total VOC content of liquid input, kg.

M_L = mass of liquid sample delivered to the sample vessel, g.

q = flow rate through critical orifice, ml/min.

RF = liquid analysis system response factor, g/area count.

T_s = total gas injection time for system calibration gas during integrator calibration, min.

V_{fj} = final VOC fraction of VOC containing liquid j.

V_{ij} = initial VOC fraction of VOC containing liquid j.

V_{Aj} = VOC fraction of VOC containing liquid j added during the run.

V = VOC fraction of liquid sample.

W_{fj} = weight of VOC containing liquid j remaining at end of the run, kg.

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W_{ij} = weight of VOC containing liquid j at beginning of the run, kg.

W_{Aj} = weight of VOC containing liquid j added during the run, kg.

7. CALCULATIONS

7.1 Total VOC Content of the Input VOC Containing Liquid.

$$L = \sum_{j=1}^n V_{ij} W_{ij} - \sum_{j=1}^n W_{fj} + \sum V_{Aj} W_{Aj} \quad \text{Eq. 1}$$

7.2 Liquid Sample Analysis System Response Factor for Systems Using Integrators, Grams/Area Counts.

$$RF = \frac{C_s q T_s K}{A_s} \quad \text{Eq. 2}$$

7.3 VOC Content of the Liquid Sample.

$$V = \frac{A_L RF}{M_L} \quad \text{Eq. 3}$$

Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure

1. INTRODUCTION

1.1 Applicability. This procedure is used to determine whether a permanent or temporary enclosure meets the criteria of a total enclosure.

1.2 Principle. An enclosure is evaluated against a set of criteria. If the criteria are met and if all the exhaust gases are ducted to a control device, then the volatile organic compounds (VOC) capture efficiency (CE) is assumed to be 100 percent and CE need not be measured. However, if part of the exhaust gas stream is not ducted to a control device, CE must be determined.

2. DEFINITIONS

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2.1 Natural Draft Opening (NDO) -- Any permanent opening in the enclosure that remains open during operation of the facility and is not connected to a duct in which a fan is installed.

2.2 Permanent Total Enclosure (PTE) -- A permanently installed enclosure that completely surrounds a source of emissions such that all VOC emissions are captured and contained for discharge through a control device.

2.3 Temporary Total Enclosure (TTE) -- A temporarily installed enclosure that completely surrounds a source of emissions such that all VOC emissions are captured and contained for discharge through ducts that allow for the accurate measurement of VOC rates.

3. CRITERIA OF A TEMPORARY TOTAL ENCLOSURE

3.1 Any NDO shall be at least 4 equivalent opening diameters from each VOC emitting point.

3.2 Any exhaust point from the enclosure shall be at least 4 equivalent duct or hood diameters from each NDO.

3.3 The total area of all NDOs shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.

3.4 The average facial velocity (FV) of air through all NDOs shall be at least 3,600 m/hr (200 fpm). The direction of air through all NDOs shall be into the enclosure.

3.5 All access doors and windows whose areas are not included in Section 3.3 and are not included in the calculation in Section 3.4 shall be closed during routine operation of the process.

4. CRITERIA OF A PERMANENT TOTAL ENCLOSURE

4.1 Same as Sections 3.1 and 3.3 - 3.5.

4.2 All VOC emissions must be captured and contained for discharge through a control device.

5. PROCEDURE

5.1 Determine the equivalent diameters of the NDOs and determine the distances from each VOC emitting point to all NDOs.

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Determine the equivalent diameter of each exhaust duct or hood and its distance to all NDOs. Calculate the distances in terms of equivalent diameters. The number of equivalent diameters shall be at least 4.

5.2 Measure the total area (A_t) of the enclosure and the total area (A_N) of all NDOs of the enclosure. Calculate the NDO to enclosure area ratio (NEAR) as follows:

$$\text{NEAR} = A_N/A_t$$

The NEAR must be < 0.05 .

5.3 Measure the volumetric flow rate, corrected to standard conditions, of each gas stream exiting the enclosure through an exhaust duct or hood using EPA Method 2. In some cases (e.g., when the building is the enclosure), it may be necessary to measure the volumetric flow rate, corrected to standard conditions, of each gas stream entering the enclosure through a forced makeup air duct using Method 2. Calculate FV using the following equation:

$$\text{FV} = [Q_0 - Q_i] / A_N$$

where:

Q_0 = the sum of the volumetric flow from all gas streams exiting the enclosure through an exhaust duct or hood

Q_i = the sum of the volumetric flow from all gas streams into the enclosure through a forced makeup air duct; zero, if there is no forced makeup air into the enclosure

A_N = total area of all NDOs in enclosure

The FV shall be at least 3,600 m/hr (200 fpm).

5.4 Verify that the direction of air flow through all NDOs is inward. Use streamers, smoke tubes, tracer gases, etc. Strips of plastic wrapping film have been found to be effective. Monitor the direction of air flow at intervals of at least 10 minutes for at least 1 hour.

6. QUALITY ASSURANCE

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6.1 The success of this protocol lies in designing the TTE to simulate the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility or the amount of fugitive VOC emissions should be minimal. The TTE must enclose the application stations, coating reservoirs, and all areas from the application station to the oven. The oven does not have to be enclosed if it is under negative pressure. The NDOs of the temporary enclosure and a fugitive exhaust fan must be properly sized and placed.

6.2. Estimate the ventilation rate of the TTE that best simulates the conditions that exist without the TTE, i.e., the effect of the TTE on the normal flow patterns around the affected facility or the amount of fugitive VOC emissions should be minimal. Figure 1 may be used as an aid. Measure the concentration (C_p) and flow rate (Q_p) of the captured gas stream, specify a safe concentration (C_f) for the fugitive gas stream, estimate the CE, and then use the plot in Figure 1 to determine the volumetric flowrate of the fugitive gas stream (Q_f). A fugitive VOC emission exhaust fan that has a variable flow control is desirable.

6.2.1 Monitor the concentration of VOC into the capture device without the TTE. To minimize the effect of temporal variation on the captured emissions, the baseline measurement should be made over as long a time period as practical. However, the process conditions must be the same for the measurement in Section 6.2.3 as they are for this baseline measurement. This may require short measuring times for this quality control check before and after the construction of the TTE.

6.2.2 After the TTE is constructed, monitor the VOC concentration inside the TTE. This concentration shall not continue to increase and must not exceed the safe level according to OSHA requirements for permissible exposure limits. An increase in VOC concentration indicates poor TTE design or poor capture efficiency.

6.2.3 Monitor the concentration of VOC into the capture device with the TTE. To limit the effect of the TTE on the process, the VOC concentration with and without the TTE must be within 10 percent. If the measurements do not agree, adjust the ventilation rate from the TTE until they agree within 10 percent.

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219. Appendix C Reference Methods and Procedures

Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- a) Determination of VOC destruction efficiency for evaluating compliance with the 98 weight percent VOC reduction or 20 ppmv emission limit specified in Sections 215.520 through 215.527; and
- b) Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section 215.105.

VOC DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections 215.520 through 215.527.

- a) Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.

- b) Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.

- c) Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.

- d) Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

TRE DETERMINATION

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The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.

- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211.122, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.

- b) The molar composition of the vent stream shall be determined using the following methods:

- 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
- 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105, to measure the concentration of carbon monoxide and hydrogen.
- 3) Reference Method 4 to measure the content of water vapor, if necessary.

- c) The volumetric flowrate shall be determined using Reference

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Method 2, 2A, 2C or 2D, as appropriate.

- d) The net heating value of the vent stream shall be calculated using the following equation:

$$H = K \sum_{i=1}^n C_i H_i$$

where:

H = Net heating value of the sample, MJ/scm, where the net enthalpy per mole of offgas is based on combustion at 25°C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20°C, as in the definition of F (vent stream flowrate) below

K = Constant, 1.740×10^{-7} (1/ppm) (mole/scm) (MJ/kcal) where standard temperature for mole/scm is 20°C

C_i = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105

H_i = Net heat of combustion of sample component i, kcal/mole based on combustion at 25°C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D2382-76, incorporated by reference in Section 215.105

- e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = K \sum_{i=1}^n F C_i M_i$$

where:

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- E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr
- K = Constant 2.494×10^{-6} (1/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20°C
- Mi = Molecular weight of sample component i (g/mole)
- F = Vent stream flowrate (scm/min), at a standard temperature of 20°C

f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

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219. Appendix D Coefficients for the Total Resource Effectiveness Index (TRE) Equation

This Appendix contains values for the total resource effectiveness index (TRE) equation in Subpart V.

If a flow rate falls exactly on the boundary between the indicated ranges, the operator shall use the row in which the flow rate is maximum.

COEFFICIENTS FOR TRE EQUATION
FOR CHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE LESS THAN
OR EQUAL TO 3.5 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.0	13.5	48.73	0.	0.404	-0.1632	0.	0.
13.5	700.	42.35	0.624	0.404	-0.1632	0.	0.0245
700.	1400.	84.38	0.678	0.404	-0.1632	0.	0.0346
1400.	2100.	126.41	0.712	0.404	-0.1632	0.	0.0424
2100.	2800.	168.44	0.747	0.404	-0.1632	0.	0.0490
2800.	3500.	210.47	0.758	0.404	-0.1632	0.	0.0548

COEFFICIENTS FOR TRE EQUATION
FOR CHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE GREATER THAN 3.5 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	47.76	0.	-0.292	0.	0.	0.
13.5	700.	41.58	0.605	-0.292	0.	0.	0.0245
700.	1400.	82.84	0.658	-0.292	0.	0.	0.0346
1400.	2100.	123.10	0.691	-0.292	0.	0.	0.0424
2100.	2800.	165.36	0.715	-0.292	0.	0.	0.0490
2800.	3500.	206.62	0.734	-0.292	0.	0.	0.0548

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COEFFICIENTS FOR TRE EQUATION
FOR NONCHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE LESS THAN
OR EQUAL TO 0.48 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	19.05	0.	0.113	-0.214	0.	0.
13.5	1350.	16.61	0.239	0.113	-0.214	0.	0.0245
1350.	2700.	32.91	0.260	0.113	-0.214	0.	0.0346
2700.	4050.	49.21	0.273	0.113	-0.214	0.	0.0424

COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED
PROCESS VENT STREAMS WITH NET HEATING VALUE
GREATER THAN 0.48 AND LESS THAN OR
EQUAL TO 1.9 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	19.74	0.	0.400	-0.202	0.	0.
13.5	1350.	18.30	0.138	0.400	-0.202	0.	0.0245
1350.	2700.	36.28	0.150	0.400	-0.202	0.	0.0346
2700.	4050.	54.26	0.158	0.400	-0.202	0.	0.0424

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COEFFICIENTS FOR TRE EQUATION FOR NONCHLORINATED
PROCESS VENT STREAMS WITH NET HEATING VALUE
GREATER THAN 1.9 AND LESS THAN OR
EQUAL TO 3.6 MJ/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.033	0.	0.	0.
13.5	1190.	13.63	0.157	0.033	0.	0.	0.0245
1190.	2380.	26.95	0.171	0.033	0.	0.	0.0346
2380.	3570.	40.27	0.179	0.033	0.	0.	0.0424

COEFFICIENTS FOR TRE EQUATION
FOR NONCHLORINATED PROCESS VENT STREAMS WITH
NET HEATING VALUE GREATER THAN 3.6 MG/scm

FLOW RATE (scm/min)							
Min.	Max.	a	b	c	d	e	f
0.	13.5	15.24	0.	0.	0.0090	0.	0.
13.5	1190.	13.63	0.	0.	0.0090	0.0503	0.0245
1190.	2380.	26.95	0.	0.	0.0090	0.0546	0.0346
2380.	3570.	40.27	0.	0.	0.0090	0.0573	0.0424

IT IS SO ORDERED.

J. Marlin and J.D. Dumelle were not present.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Opinion and Order was adopted on the _____ day of _____, 1991, by a vote of _____.

Dorothy M. Gunn, Clerk
Illinois Pollution Control Board

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

1) The Heading of the Part: MEDICAL ASSISTANCE PROGRAMS

2) Code Citation: 89 Ill. Adm. Code 120

3) Section Numbers: Adopted Action:

120.11 Amendment
120.31 Amendment
120.60 Amendment
120.64 Amendment
120.208 Amendment
120.235 Amendment
120.281 Amendment
120.335 Amendment
120.390 Amendment
120.391 Amendment

4) Statutory Authority:

89 Ill. Adm. Code 120.11, 120.31, 120.60, 120.64, 120.208, 120.390 and 120.391

Sections 5-2 and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-2 and 12-13)

89 Ill. Adm. Code 120.235, 120.281 and 120.335

Sections 5-4 and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-4 and 12-13)

5) Effective Date of Adopted Amendments: August 16, 1991

6) Does this rulemaking contain an automatic repeal date?
Yes ☐ No ☒

7) Do these Adopted Amendments contain incorporations by reference? No

8) Date Filed in Agency's Principal Office: August 16, 1991

9) Notices of Proposal Published in Illinois Register:

89 Ill. Adm. Code 120.11, 120.31, 120.60, 120.64, 120.208, 120.390 and 120.391

April 19, 1991 (15 Ill. Reg. 5551)

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

89 Ill. Adm. Code 120.235, 120.281 and 120.335

April 19, 1991 (15 Ill. Reg. 5551)

10) Has JCAR issued a Statement of Objections to these Adopted Amendments? No

11) Differences between proposal and final version: Based on comments received from the Joint Committee on Administrative Rules, the following non-substantive changes were made:

1) in Section 120.11(b)(1)(A), at line one, the word "meets" is changed to "meet"; and in Section 120.11(b)(2) and (4), several punctuation corrections are made;

2) in Section 120.60(a) and (b), several punctuation corrections are made;

3) in Section 120.64(c), several punctuation corrections are made; and

4) in Section 120.390(a)(2), at line one, the second "a" is changed to "an".

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes

13) Will these Adopted Amendments, replace Emergency Amendments currently in effect? No

14) Are there any Amendments pending on this Part? Yes

Section Numbers	Proposed Action	Illinois Register Citation
120.12	Amendment	April 26, 1991 (15 Ill. Reg. 6089)
120.61	Amendment	June 9, 1991 (15 Ill. Reg. 8642)
120.319	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.320	Amendment	January 25, 1991 (15 Ill. Reg. 833)

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Section Numbers	Proposed Action	Illinois Register Citation
120.321	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.322	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.323	Amendment	January 25, 1991 (15 Ill. Reg. 833)
120.386	Amendment	May 17, 1991 (15 Ill. Reg. 7468)

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Office of the General Counsel

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The full text of the Adopted Amendments begins on the next page:

15) Summary and Purpose of Adopted Amendments:

89 Ill. Adm. Code 120.11, 120.31, 120.60, 120.64, 120.208, 120.390 and 120.391

In accordance with Section 4601 of P.L. 101-508, this rulemaking requires the Department to expand MANG(P) Program coverage to children ages six (6) and seven (7) whose income does not exceed 100% of the Federal Poverty Level.

Additionally, this rulemaking adds JCAR requested language to Section 120.208 and technical corrections to Section 120.64.

89 Ill. Adm. Code 120.235, 120.281 and 120.335

This rulemaking provides that monthly cash payments provided by the Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children are exempt and not considered income or an asset in determining and redetermining eligibility for public assistance (see P.A. 86-921).

This rulemaking also adds language that payments received from a fund established by a state to aid victims of crime are exempt from income and asset consideration for nine months following the month of receipt.

16) Information and questions regarding these Adopted Amendments shall be directed to:

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 120

MEDICAL ASSISTANCE PROGRAMS

SUBPART A: GENERAL PROVISIONS

Section
120.1

Incorporation By Reference

SUBPART B: ASSISTANCE STANDARDS

Section
120.10
120.11

Eligibility For Medical Assistance
Eligibility For Medical Assistance For Pregnant
Women and Children Under Age Six-Eight Who Do Not
Qualify As Mandatory Categorically Needy
MANG(AABD) Income Standard
120.20 MANG(C) Income Standard
120.30 MANG(P) Income Standard
120.31
120.40 Exceptions To Use Of MANG Income Standard
120.50 AMI Income Standard

SUBPART C: FINANCIAL ELIGIBILITY DETERMINATION

Section
120.60

All Cases Other Than Intermediate Care, Skilled
Nursing Care, DMHDD, DMHDD Approved Community Based
Settings and Pregnant Women and Children Under Age
Six-~~Six~~ Eight Who Do Not Qualify As Mandatory
Categorically Needy

120.61 Cases in Intermediate Care, Skilled Nursing Care and
DMHDD - MANG(AABD) and All Other Licensed Medical
Facilities
120.62 Department of Mental Health and Developmental
Disabilities (DMHDD) Approved Home and Community
Based Residential Settings Under 89 Ill. Adm. Code
140.643

120.63 Department of Mental Health and Developmental
Disabilities (DMHDD) Approved Home and Community
Based Residential Settings
120.64 Pregnant Women and Children Under Age Six Years Who
Do Not Qualify As Mandatory Categorically Needy
120.65 Department of Mental Health and Developmental
Disabilities (DMHDD) Licensed Community - Integrated
Living Arrangements

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

SUBPART D: SUPPLEMENTARY MEDICAL INSURANCE

Section
120.70

Supplementary Medical Insurance Benefits, Buy-In
Program

120.72 Eligibility for Medicare Cost Sharing as a Qualified
Medicare Beneficiary (QMB)

120.74 Qualified Medicare Beneficiary (QMB) Income Standard
120.76 Hospital Insurance Benefits (HIB)

SUBPART E: RECIPIENT RESTRICTION PROGRAM

Section
120.80

Recipient Restriction Program

SUBPART F: MIGRANT MEDICAL PROGRAM

Section
120.90
120.91

Migrant Medical Program
Income Standards

SUBPART G: AID TO THE MEDICALLY INDIGENT

Section
120.208
120.210
120.211
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Client Cooperation

Citizenship

Residence

Age

Relationship

Living Arrangement

Supplemental Payments

Institutional Status

Foster Care Program

Social Security Numbers

Unearned Income

Exempt Unearned Income

Education Benefits

Unearned Income In-Kind

Earmarked Income

Lump Sum Payments and Income Tax Refunds

Protected Income

Earned Income

Budgeting Earned Income

Exempt Earned Income

Recognized Employment Expenses

Income From Work/Study/Training Program

Earned Income From Self-Employment

Earned Income From Roomer and Boarder

Earned Income In-Kind

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section
120.276 Payments from the Illinois Department of Children and Family Services
Assets
120.280 Exempt Assets
120.281 Asset Disregards
120.282 Deferral of Consideration of Assets
120.283 Spend-down of Assets (AMI)
120.284 Property Transfers
120.285 Persons Who May Be Included in the Assistance Unit
120.290 Payment Levels for AMI
120.295

SUBPART H: MEDICAL ASSISTANCE - NO GRANT

Section
120.308 Client Cooperation
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120.399 Redetermination of Eligibility

AUTHORITY: Implementing Articles III, IV, V, VI and VII and authorized by Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13)

SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2 Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective

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November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amended at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979; peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041 effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982, amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6475, effective May 18, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg.

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8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; amended at 7 Ill. Reg. 394, effective January 1, 1983; codified at 7 Ill. Reg. 6082; amended at 7 Ill. Reg. 8256, effective July 1, 1983; amended at 7 Ill. Reg. 8264, effective July 5, 1983; amended (by adding section being codified with no substantive change) at 7 Ill. Reg. 14747; amended (by adding sections being codified with no substantive change) at 7 Ill. Reg. 16108; amended at 8 Ill. Reg. 5253, effective April 9, 1984; amended at 8 Ill. Reg. 6770, effective April 27, 1984; amended at 8 Ill. Reg. 13328, effective July 16, 1984; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17897; amended at 8 Ill. Reg. 18903, effective September 26, 1984; peremptory amendment at 8 Ill. Reg. 20706, effective October 3, 1984; amended at 8 Ill. Reg. 25053, effective December 12, 1984; emergency amendment at 9 Ill. Reg. 830, effective January 3, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 4515, effective March 25, 1985; amended at 9 Ill. Reg. 5346, effective April 11, 1985; amended at 9 Ill. Reg. 7153, effective May 6, 1985; amended at 9 Ill. Reg. 11346, effective July 8, 1985; amended at 9 Ill. Reg. 12298, effective July 25, 1985; amended at 9 Ill. Reg. 12823, effective August 9, 1985; amended at 9 Ill. Reg. 15903, effective October 4, 1985; amended at 9 Ill. Reg. 16300, effective October 10, 1985; amended at 9 Ill. Reg. 16906, effective October 18, 1985; amended at 10 Ill. Reg. 1192, effective January 10, 1986; amended at 10 Ill. Reg. 3033, effective January 23, 1986; amended at 10 Ill. Reg. 4907, effective March 7, 1986; amended at 10 Ill. Reg. 6966, effective April 16, 1986; amended at 10 Ill. Reg. 10688, effective June 3, 1986; amended at 10 Ill. Reg. 12672, effective July 14, 1986; amended at 10 Ill. Reg. 15649, effective September 19, 1986; amended at 11 Ill. Reg. 3992, effective February 23, 1987; amended at 11 Ill. Reg. 7652, effective April 15, 1987; amended at 11 Ill. Reg. 8735, effective April 20, 1987; emergency amendment at 11 Ill. Reg. 12458, effective July 10, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 14034, effective August 14, 1987; amended at 11 Ill. Reg. 14763, effective August 26, 1987; amended at 11 Ill. Reg. 20142, effective January 1, 1988; amended at 11 Ill. Reg. 20898, effective December 14, 1987; amended at 12 Ill. Reg. 904, effective January 1, 1988; amended at 12 Ill. Reg. 3516, effective January 22, 1988;

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amended at 12 Ill. Reg. 6234, effective March 22, 1988; amended at 12 Ill. Reg. 8672, effective May 13, 1988; amended at 12 Ill. Reg. 9132, effective May 20, 1988; amended at 12 Ill. Reg. 11483, effective June 30, 1988; emergency amendment at 12 Ill. Reg. 11632, effective July 1, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 11839, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12835, effective July 22, 1988; emergency amendment at 12 Ill. Reg. 13243, effective July 29, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 17867, effective October 30, 1988; amended at 12 Ill. Reg. 19704, effective November 15, 1988; amended at 12 Ill. Reg. 20188, effective November 23, 1988; amended at 13 Ill. Reg. 116, effective January 1, 1989; amended at 13 Ill. Reg. 2081, effective February 3, 1989; amended at 13 Ill. Reg. 3908, effective March 10, 1989; emergency amendment at 13 Ill. Reg. 11929, effective June 27, 1989, for a maximum of 150 days; emergency expired November 25, 1989; emergency amendment at 13 Ill. Reg. 12137, effective July 1, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 15404, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16586, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 13 Ill. Reg. 17483, effective October 31, 1989; amended at 13 Ill. Reg. 17838, effective November 8, 1989; amended at 13 Ill. Reg. 18872, effective November 17, 1989; amended at 14 Ill. Reg. 760, effective January 1, 1990; emergency amendment at 14 Ill. Reg. 1494, effective January 2, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 4233, effective March 5, 1990; emergency amendment at 14 Ill. Reg. 5839, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 6372, effective April 16, 1990; amended at 14 Ill. Reg. 7637, effective May 10, 1990; amended at 14 Ill. Reg. 10396, effective June 20, 1990; amended at 14 Ill. Reg. 13227, effective August 6, 1990; amended at 14 Ill. Reg. 14814, effective September 3, 1990; amended at 14 Ill. Reg. 17004, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 348, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 5302, effective April 1, 1991; amended at 15 Ill. Reg. 10101, effective June 24, 1991; amended at 15 Ill. Reg. 11973, effective August 12, 1991; amended at 15 Ill. Reg. 12747, effective August 16, 1991.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE

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SUBPART B: ASSISTANCE STANDARDS

Section 120.11 Eligibility For Medical Assistance For Pregnant Women and Children Under Age Six-
Eight Who Do Not Qualify As Mandatory
Categorically Needy

a) Pregnant Women who do not qualify as Mandatory
Categorically Needy

1) Eligibility for medical assistance exists for a pregnant woman of any age who does not qualify as mandatory categorically needy (Social Security Act (U.S.C. 1902(a)(10)(A)(i) and 1905(n)):

A) who meets the non-financial requirements of the program in Section 120.211;

B) whose countable assets do not exceed the MANG(P) asset disregard amount (see Section 120.382); and

C) whose countable monthly income does not exceed the MANG(P) Income Standard (see Section 120.31).

2) The pregnant woman shall be eligible to receive medical assistance until sixty (60) days following the last day of pregnancy. The sixty (60) day medical coverage continues through the last day of the calendar month in which the sixty (60) days period ends. The sixty (60) days medical coverage period shall be provided for all pregnant women determined eligible for medical assistance under subsection (a)(1) above including pregnant women who are no longer pregnant at the time of application because the woman had a miscarriage or an abortion or signed an adoption agreement.

3) When a pregnant woman is determined eligible for medical assistance under (a)(1) above, income changes occurring after the eligibility determination are not considered through the 60 day postpartum period following the last day of pregnancy.

4) If countable assets exceed the MANG(P) asset disregard amount (see Section 120.382) after the

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Section 120.11

Eligibility For Medical Assistance For Pregnant Women and Children Under Age ~~Six~~-Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

case is determined eligible under subsection (a)(1) above, the pregnant woman is ineligible for medical assistance.

- b) Children under age ~~six~~-eight who do not qualify as Mandatory Categorically Needy

- 1) Eligibility for medical assistance exists for children under age ~~six~~-~~six~~-eight (8) who do not qualify as mandatory categorically needy (Social Security Act (U.S.C. 1902 (a)(10)(A)(i) and 1905 (n));

- A) who meets the non-financial requirements of the program in Section 120.211;

- B) whose countable assets do not exceed the MANG(P) asset disregard amount (see Section 120.382); and

- C) whose countable monthly income exceeds the MANG(C) or MANG(AABD) income standards (Sections 120.20 and 120.30) but does not exceed the MANG(P) income standard (see Section 120.31).

- 2) Children under age ~~six~~-~~six~~-eight (8) shall be eligible to receive medical assistance under subsection (b)(1) above:

- A) only from the date of birth ~~for~~-up to age ~~six~~-~~six~~-eight (8); or

- B) up to age ~~six~~-~~six~~-eight (8) if an application is approved for medical assistance; or

- C) until countable assets exceed the MANG(P) asset disregard amount (see Section 120.382); or

- D) until countable monthly income exceeds the MANG(P) income standard (see Section 120.31), whichever comes first.

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Section 120.11

Eligibility For Medical Assistance For Pregnant Women and Children Under Age ~~Six~~-Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

- 3) When the Department becomes aware of the birth of a child(ren) to a woman determined eligible under subsection (a)(1) above, the child shall be deemed to have applied for medical assistance under subsection (b)(1) above, without written request. The child(ren) shall be eligible to receive medical assistance for the same period of time the mother is receiving medical assistance.

- 4) When the child's mother becomes ineligible for medical assistance under subsection (a) above, the infant retains eligibility for medical assistance until:

- A) up to age one (1) year; or

- B) up to age ~~six~~-~~six~~-eight (8) if an application is approved for medical assistance; or

- C) countable assets exceed the MANG(P) asset disregard amount (see Section 120.382); or

- D) countable monthly income exceeds the MANG(P) income standard (see Section 120.31), whichever comes first; or

- E) if an application is later approved for financial assistance, the child is ineligible for medical assistance under this subsection.

- 5) When a child is determined eligible for medical assistance under this subsection and there is a change in income which causes countable monthly income to exceed the MANG(P) income standard (see Section 120.31), the child is ineligible for medical assistance under this subsection. Countable income must then be compared to the MANG(C) or MANG(AABD) income standard (see

120.382) or MANG(AABD) income standard (see

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Section 120.11 Eligibility For Medical Assistance For Pregnant Women and Children Under Age Six-Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

Section 120.20, 120.30) to determine the spend-down amount, if any.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

Section 120.31 MANG(P) Income Standard

a) MANG(P) is available to pregnant women and children under age six-(6)-eight (8) who do not qualify as mandatory categorically needy (Social Security Act (U.S.C. 1902(a)(10)(A)(i) and 1905(n))) whose non-exempt countable income does not exceed the MANG(P) income standard. The MANG(P) income standard shall be 133% of the current Federal Poverty Level Income Guidelines, as published annually in the Federal Register, for children under age six (6). The MANG(P) income standard shall be 100% of the current Federal Poverty Level Income Guidelines, as published annually in the Federal Register for children ages six (6) and seven (7). If the household's countable monthly income exceeds the MANG(P) standard, eligibility for MANG(P) does not exist.

b) MANG(P) is available for a pregnant woman, of any age, who meets the asset standard and countable monthly income for the household does not exceed the MANG(P) income standard. If the pregnant woman is married and her spouse lives with her or if she has dependent children age six-(6)-eight (8) or older, her pregnancy does not make her spouse and/or dependent children age six-(6)-eight (8) or older eligible for MANG(P). The pregnant woman and her spouse's income are combined and compared to the MANG(P) standard for the number of persons in the family even though only the pregnant woman is eligible to receive MANG(P). An unborn child is counted as a family member.

c) MANG(P) is available for children up to age six-(6)-eight (8) who meet the MANG(P) asset standard and countable monthly income for the household does not exceed the MANG(P) income standard.

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Section 120.31 MANG(P) Income Standard (Cont'd)

d) When financial eligibility for MANG(P) is being determined for a child under age six-(6)-eight (8) only, the household's income is combined and compared to the MANG(P) income standard for the family size, including unborn children.

e) When financial eligibility for MANG(P) is being determined for a pregnant woman who meets the requirements for MANG(P), income is considered in the following manner:

- 1) Income is considered for the month of application. When eligibility exists for the month of application, MANG(P) coverage is authorized beginning with the month of application. Income changes occurring after the month of application are not considered through the 60 day period following the last day of pregnancy.
- 2) Income is considered for the month following the month of application when the pregnant woman is income ineligible for the month of application. If eligibility exists for the month following the month of application, MANG(P) coverage is authorized beginning with the month following the month of application. Income changes occurring after the month following the month of application are not considered through the 60 day period following the last day of pregnancy.
- 3) When the case is income ineligible for the month of application and the month following the month of application, financial eligibility is determined under Sections 120.10 and 120.60.
- 4) When determining income eligibility for a backdated month (up to three months before the month of application), the client is eligible for medical coverage beginning with the month income is at or below the MANG(P) Income Standard. Income changes occurring after the month of authorization are not considered through the 60 day period following the last day of pregnancy.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

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SUBPART C: FINANCIAL ELIGIBILITY DETERMINATION

Section 120.60

All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six-~~four~~-Eight Who Do Not Qualify As Mandatory Categorically Needy

The following subsections apply to all cases other than those receiving care in Licensed Intermediate Care Facilities, Licensed Skilled Nursing Care Facilities, Department of Mental Health and Developmental Disabilities (DMHDD) Facilities, or DMHDD approved community based residential settings under 89 Ill. Adm. Code 140.643 or pregnant women and children under age six-~~eight~~ who do not qualify as mandatory categorically needy.

- a) The eligibility period for MANG (AABD) and MANG(C) is one (1) month. The eligibility period shall begin with:
 - 1) the first day of the month of application; or
 - 2) the first day of any month prior to the month of application that the client meets non-financial eligibility requirements up to three months prior to the month of application, if the client so desires; or
 - 3) the first day of a month after the month of application that the client meets non-financial eligibility requirements.
- b) The eligibility period for AMI is six (6) months. The eligibility period shall begin with:
 - 1) the first day of the month of application; or
 - 2) the first day of the month prior to the month of application, if the client meets non-financial eligibility requirements and if the client so desires; or
 - 3) the first day of a month after the month of application that the client meets non-financial eligibility requirements.
- c) Eligibility without Spend-down for MANG (AABD), MANG(C) and AMI

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Section 120.60

All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six-~~four~~-Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

- 1) If the client's nonexempt income (Sections 120.220, 120.227, 120.325, and 120.342) available during the eligibility period is equal to or below the applicable MANG or AMI Standard (Sections 120.20 and 120.50), and non-exempt assets are not in excess of the applicable asset disregard (Sections 120.282 and 120.382) the client is eligible for Medical Assistance from the first day of the eligibility period. Covered services received during the entire eligibility period will be paid for by the Department.
- 2) The client is responsible to report any changes that occur during the eligibility period which might affect eligibility for Medical Assistance. If changes occur, appropriate action shall be taken by the Department, including termination of eligibility for Medical Assistance. If changes in income, assets or family composition occur which would make the client a spend-down case, a spend-down obligation will be determined and the subsections in (d) below will apply.
- 3) For MANG(C) and MANG(AABD), a full redetermination of eligibility will be made every twelve (12) months. For AMI, clients wishing continued Medical Assistance after the six (6) month eligibility period must reapply for Medical Assistance.
- d) Eligibility with Spend-down for MANG (AABD), MANG(C), and AMI
 - 1) If the client's nonexempt income available during the applicable eligibility period is greater than the applicable MANG or AMI Standard and/or non-exempt assets are over the applicable asset disregard, the client must meet the spend-down obligation determined for the eligibility period before becoming eligible to receive Medical Assistance. The spend-down obligation is the sum

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Section 120.60

All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six--(6)--Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

of the amount by which the client's non-exempt income exceeds the MANG or AMI Standard and the amount of non-exempt assets in excess of the applicable asset disregard.

2) The client meets the spend-down obligation by incurring or paying for medical expenses in an amount equal to the spend-down obligation.

A) Medical expenses shall be applied to the spend-down obligation in chronological order.

B) Medical expenses incurred prior to the eligibility period may be considered for purposes of spend-down to the extent that the client makes payments on them during the eligibility period or to the extent the medical bills remain the responsibility of the client.

3) After application for Medical Assistance, the client will be notified in writing of the spend-down obligation. The client will also be notified of the six-month enrollment period, the time in which no new application is necessary. When proof of incurred medical expenses equal to the spend-down obligation is provided to the local office, eligibility for Medical Assistance shall begin effective the first day that the spend-down obligation is met. Covered services received from that date until the end of the eligibility period will be paid for by the Department. The client shall be responsible directly to the provider for payment for services provided prior to the time client meets the spend-down obligation.

A) If one bill for medical expenses incurred on a certain date is more than enough to equal the spend-down obligation, part of the bill will be used to meet the spend-down obligation and the Department will price the

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All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six--(6)--Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

bill to determine the Department's liability, if any. The Department shall be liable only if the Department rate is greater than that part of the bill used to meet spend-down and only for the difference between those two amounts.

B) If more than one bill for medical expenses incurred on the same date would be enough to equal or exceed the spend-down obligation, medical expenses shall be applied to the spend-down obligation in the following order:

i) Medicare and other health insurance premiums, deductibles or coinsurance charges;

ii) medical expenses for services recognized under State law but not included in the State plan;

iii) medical expenses for services included in the State plan. Once medical expenses are applied towards the spend-down obligation, the order of application shall not be changed.

C) If a service is provided during the eligibility period but payment may be made by a third party, such as an insurance company, the medical expense will not be considered towards spend-down until the bill is adjudicated. When adjudicated, that part determined to be the responsibility of the client shall be considered as incurred on the date of service.

4) Prior to the end of the six-month enrollment period all clients, whether or not the spend-down obligation has been met, shall be notified in writing that enrollment will end on a certain date. The client will also be informed by this

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All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six--(6)--Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

notice that if he or she wishes continued Medical Assistance, a reapplication must be filed. Upon reapplication, a new six-month enrollment period will be established (assuming non-financial factors of eligibility are met), and, if appropriate, a new spend-down obligation will be created. If the client files a reapplication prior to four (4) months after the end of the initial six-month enrollment period, the client will be sent through a special, abbreviated intake procedure making use of current case record materials to verify factors of eligibility not subject to change.

5) The client is responsible to report any changes that occur during the six-month enrollment period which might affect eligibility for Medical Assistance. If changes occur, appropriate action shall be taken by the Department, including termination of eligibility for Medical Assistance.

6) If changes in income, assets or family composition occur, appropriate adjustments to the spend-down obligation and date of eligibility for Medical Assistance shall be made by the Department. The client will be notified in writing of the new spend-down obligation.

A) If income decreases or assets fall below the applicable asset disregard and, as a result, the client has already met the new spend-down obligation, eligibility for Medical Assistance shall be back-dated to the appropriate date.

B) If income or assets increase, and, as a result, the client has not produced proof of incurred medical expenses equal to the new spend-down obligation, the written notification of the new spend-down amount will also inform the client that he or she will no longer receive a Medical Eligibility

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Section 120.60

All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Under Age Six--(6)--Eight Who Do Not Qualify As Mandatory Categorically Needy (Cont'd)

Card and eligibility for Medical Assistance will be interrupted until proof of medical expenses equal to the new spend-down obligation is produced.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

Section 120.64

Pregnant Women and Children Under Age Six--Eight Years Who Do Not Qualify As Mandatory Categorically Needy

a) The following subsections apply to MANG(P) clients:

The eligibility period for a MANG(P) client shall begin with:

- 1) the first day of the month of application, or;
- 2) the first day of any month prior to the month of application if the client so desires up to three months prior to the month of application, or;
- 3) the first day of the month after the month of application, or;
- 4) the first day of a month a pregnant woman and/or child under age six--(6)--eight--(8) years meets the requirements of Sections 120.11 and 120.31.

b) The pregnant woman shall be eligible to receive medical assistance until sixty (60) days following the last day of pregnancy. The sixty (60) day medical coverage continues through the last day of the calendar month in which the sixty (60) day period ends. The sixty (60) day medical coverage period shall be provided for all pregnant women determined eligible for medical assistance under Section 120.11(a)(1) above including pregnant women who are no longer pregnant at the time of application because the woman had a miscarriage or an abortion or signed an adoption agreement.

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Section 120.64

Pregnant Women and Children Under Age Six-
Eight Years Who Do Not Qualify As Mandatory
Categorically Needy (Cont'd)

- c) Children shall be eligible to receive medical assistance:
- 1) only from the date of birth for up to age one (1) year, or
 - 2) up to age six-(6)-eight (8) if an application is approved for medical assistance; or
 - 3) until countable assets exceed the MANG(P) asset disregard amount (see Section 120.382), or
 - 4) until countable monthly income exceeds the MANG(P) income standard (see Section 120.31), whichever comes first.

AGENCY NOTE: A newborn child is automatically eligible to receive medical assistance for the same period of time the mother is receiving medical assistance. Eligibility for the newborn with automatic eligibility shall continue up to age one, without regard to income changes.

- d) Covered services received during the entire eligibility period will be paid by the Department (see 89 Ill. Adm. Code 140.3).
- e) A redetermination of eligibility for MANG(P) will be made every twelve (12) months for children under age six-(6)-eight (8).
- f) The client is responsible to report any changes that occur during the eligibility period which might affect eligibility for MANG(P). If changes in income or family composition occur which would make the client ineligible for MANG(P), appropriate action shall be taken by the Department, including evaluation of eligibility for other programs or termination of eligibility for medical assistance. Income changes occurring after a pregnant woman is determined eligible for MANG(P) coverage are not considered through the 60 day post-partum period following the last day of pregnancy.

NOTICE OF ADOPTED AMENDMENTS

Section 120.64

Pregnant Women and Children Under Age Six-
Eight Years Who Do Not Qualify As Mandatory
Categorically Needy (Cont'd)

- g) MANG(P) clients shall be eligible without a spend-down obligation amount.
- h) A review of case eligibility for MANG(C) will be conducted for a pregnant woman and continued MANG(P) eligibility for the newborn child will be conducted during the second month of the sixty (60) day extended medical coverage period. If eligible, the case shall be transferred by the Department to the appropriate program without interruption in benefit eligibility. If ineligible, the Department shall notify the client in writing.
- i) A review of case eligibility for MANG(C) will be conducted when a child is five-seven years and ten (10) months old. If the child is eligible for MANG(C), the case shall be transferred by the Department without interruption in benefit eligibility. If ineligible, written notification shall be provided to the client.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

SUBPART G: AID TO THE MEDICALLY INDIGENT

Section 120.208 Client Cooperation

- a) As a condition of eligibility, clients must cooperate:
- 1) in the determination of eligibility;
 - 2) with Department programs conducted for the purposes of acquisition or verification of information upon which eligibility may depend;
 - 3) in applying for all financial benefits for which they may qualify and to avail themselves of such benefits at the earliest possible date.
- b) Clients are required to avail themselves of all potential resources.
- c) When eligibility cannot be conclusively determined

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.208 Client Cooperation (Cont'd)

because the individual is unwilling or fails to provide essential information or to consent to verification, the client is ineligible.

- d) At screening, applicants shall be informed, in writing, of any information they are to provide at the eligibility interview.
- e) At the eligibility interview or at any time during the application process, when the applicant is requested to provide information in his or her possession, the Department will allow ten (10) days for the return of the requested information. The first day of the ten (10) day period is the calendar day following the date the information request form is sent or given to the applicant. The last day of the ten (10) day period shall be a work day and is to be indicated on the information request form. If the applicant does not provide the information by the date on the information request form, the application shall be denied on the following work day.

- f) At the eligibility interview or at any time during the application process, when the applicant is requested to provide third party information, the Department shall allow ten (10) days for the return of the requested information or for verification that the third party information has been requested. The first day of the ten (10) day period is the calendar day following the date the information request form is sent or given to the applicant. The last day of the ten (10) day period shall be a work day and is to be indicated on the information request form. It is to be indicated on the information request form that the applicant shall provide written verification of the request for the third party information. If the applicant does not provide the information or the verification that the information was requested by the date on the information request form, the application shall be denied on the following work day.

- 1) Third party information is defined as information which must be provided by someone other than the applicant. An authorized representative or person applying on another's behalf is not a third party but is treated as if he were the applicant.

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.208 Client Cooperation (Cont'd)

- 2) The Department shall advise clients of the need to provide written verification of third party information requests and the consequences of failing to provide such verification.
- 3) If the applicant requests an extension either verbally or in writing in order to obtain third party information and provides written verification of the request for the third party information such as a copy of the request that was sent by the third party, an extension of ninety (90) days from the date of application shall be granted. The first day of the ninety (90) day period is the calendar day following the date of application. The 90th day must be a work day.
- 4) If an applicant's attempt to obtain third party information is unsuccessful, upon the applicant's request the Department will assist in securing evidence to support the client's eligibility for assistance.

- g) A client who is eligible or capable of acquiring eligibility to receive Categorical Assistance must apply for and take all steps necessary to acquire categorical eligibility as a condition of eligibility for AMI of the client and any dependents who eligibility is contingent on the client's eligibility.
- h) An individual who is ineligible for Medicaid because of failure to cooperate with the Department in obtaining third party medical support or medical payments is not eligible for AMI.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

Section 120.235 Exempt Unearned Income

The following unearned income shall be exempt from consideration in determining AMI eligibility.

- a) The value of the coupon allotment under the Food Stamp Act of 1977 (7 U.S.C. 2017(b));

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DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.235 Exempt Unearned Income (Cont'd)

- b) The value of the U.S. Department of Agriculture donated foods (surplus commodities);
- c) Any payment received under the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4636);
- d) Any per capita judgment funds paid under Public Law 92-254 to members of the Blackfeet Tribe of the Blackfeet Indian Reservation, Montana and the Gros Ventre Tribe of the Fort Belknap Reservation, Montana (25 U.S.C. 1264);
- e) Any benefits received under Title VII, Nutrition Program for the Elderly, of the Older Americans Act of 1965, as amended (42 U.S.C. 3030e);
- f) Any compensation provided to individual volunteers under the Retired Senior Volunteer Program (42 U.S.C. 5001) and the Foster Grandparent Program and Older Americans Community Service Programs established under Title II of the Domestic Volunteer Service Act (42 U.S.C. 5001 thru 5023), as amended;
- g) Income in an amount not greater than \$650 received by a beneficiary of life insurance which is expended on the funeral and burial of an insured recipient;
- h) Income received under the provisions of Section 4(c) of the Senior Citizens and Disabled Persons Property Tax Relief and Pharmaceutical Assistance Act (Ill. Rev. Stat. 1987-1989, ch. 67 1/2, par. 404 (c)). This includes both the benefits commonly known as the circuit breaker and "additional grants";
- i) Payments to volunteers under the 1973 Domestic Volunteer Service Act. (48 U.S.C. 5044 (g)). These include:
 - 1) Vista Volunteers (For AMI the income is exempt if the client was receiving public assistance at the time of becoming a Vista Volunteer.)
 - 2) Volunteers serving as senior health aids, senior companions, or foster grandparents.

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NOTICE OF ADOPTED AMENDMENTS

Section 120.235 Exempt Unearned Income (Cont'd)

- 3) Persons serving in the Service Corps of Retired Executives (SCORE) or the Active Corps of Executives (ACE).
- j) Unearned income such as need based payments, cash assistance, compensation in lieu of wages and allowances received through the Jobs Training Partnership Act.
- k) Any payment received under Title I of P. L. 100-383 of the Civil Liberties Act of 1988 (50 U.S.C. 1989b thru 1989b-8).
- l) Any payment received under Title II of P. L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50 U.S.C. 1989c thru 1989c-8).
- m) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

Section 120.281 Exempt Assets

The following assets are exempt from consideration in determining eligibility for AMI.

- a) A home which is the usual residence of the assistance unit.
- b) Clothing, personal effects and household furnishings.
- c) One automobile if the equity value does not exceed \$1500.
- d) The value of the coupon allotment under the Food Stamp Act of 1977 (7 U.S.C. 2017 et seq.).
- e) The value of the U.S. Department of Agriculture donated foods (surplus commodities).
- f) The value of supplemental food assistance received under the Child Nutrition Act of 1966 (42 U.S.C. 1771

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.281 Exempt Assets (Cont'd)

- et seq.) as amended, and the special food service program for children under the National School Lunch Act, as amended:
- g) Donations or benefits from fund raisers held for a seriously ill client providing the client or responsible relative of the client does not have control (e.g., not available to the client or the responsible relative) over the donations or benefits or the disbursement of the donations or benefits.
 - h) Any payment received under Title I of P. L. 100-383 of the Civil Liberties Act of 1988 (50 U.S.C. 1989b thru 1989b-8).
 - i) Any payment received under Title II of P. L. 100-383 of the Aleutian and Pribilof Islands Restitution Act (50 U.S.C. 1989c thru 1989c-8).
 - j) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

SUBPART H: MEDICAL ASSISTANCE - NO GRANT

Section 120.335 Exempt Unearned Income

a) MANG (AABD)

- 1) For a MANG client (excluding long term care), the first \$25.00 of a client's earned or unearned income other than SSI income, or contributions from a spouse or other individual, is exempt from consideration in determining eligibility. A client is eligible for only one \$25.00 exemption regardless of the types of sources of earned or unearned income.
- 2) If an individual in a long term care facility is paying the premium for SMIB coverage, the cost of the premium shall be disregarded.

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.335 Exempt Unearned Income (Cont'd)

- 3) SSI income received by a long term care case who is in Section 1619 of the Social Security Act (42 U.S.C. 1382h) status (see 89 Ill. Adm. Code 140.8) in the month before admission to the facility is exempt for the first full two months of stay in the facility.
- b) The following unearned income shall be exempt from consideration in determining MANG eligibility:
 - 1) The value of the coupon allotment under the Food Stamp Act of 1977 (7 U.S.C. 2017(b));
 - 2) The value of the U.S. Department of Agriculture donated foods (surplus commodities);
 - 3) Any payment received under the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4636);
 - 4) Any per capita judgment funds paid under P.L. 92-354 to members of the Blackfeet Tribe of the Blackfeet Indian Reservation, Montana and the Gros Ventre Tribe of the Fort Belknap Reservation, Montana (25 U.S.C. 1264);
 - 5) Any benefits received under Title III, Nutrition Program for the Elderly, of the Older Americans Act of 1965, as amended (42 U.S.C. 3030e);
 - 6) Any compensation provided to individual volunteers under the Retired Senior Volunteer Program and the Foster Grandparent Program and Older Americans Community Service Programs established under Title II of the Domestic Volunteer Service Act, as amended;
 - 7) Income in an amount not greater than \$650 received by a beneficiary of life insurance which is expended on the funeral and burial of an insured recipient;
 - 8) Income received under the provisions of Section 4(c) of the Illinois Senior Citizens and Disabled Persons Property Tax Relief and Pharmaceutical Assistance Act (Ill. Rev. Stat. 1989, ch. 67 1/2, par. 404 (c)). This includes both the benefits

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.335 Exempt Unearned Income (Cont'd)

commonly known as the circuit breaker and "additional grants";

- 9) Payments to volunteers under the 1973 Domestic Volunteer Service Act. (48 U.S.C. 5044 (g)) These include:

- A) Vista Volunteers;
 - B) Volunteers serving as senior health aids, senior companions, or foster grandparents;
 - C) Persons serving in the Service Corps of Retired Executives (SCORE) or the Active Corps of Executives (ACE); and
- 10) Unearned income such as need based payments, cash assistance, compensation in lieu of wages and allowances received through the Jobs Training Partnership Act.

- c) The following additional unearned income shall be exempt:

- 1) Social Security death benefit expended on a funeral and/or burial.
- 2) The value of home produce which is used for personal consumption.
- 3) The value of supplemental food assistance received under the Child Nutrition Act of 1966, as amended, (42 U.S.C. 1780(b)) and the special food service program for children under the National School Lunch Act, as amended (42 U.S.C. 1760).
- 4) Any payments distributed per capita or held in trust for members of any Indian Tribe under P.L. 92-254, P.L. 93-134 or P.L. 94-450 (25 U.S.C. 1407).
- 5) Tax exempt portions of payments made pursuant to the Alaska Native Claims Settlement Act (43 U.S.C. 1626).

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NOTICE OF ADOPTED AMENDMENTS

Section 120.335 Exempt Unearned Income (Cont'd)

- 6) Experimental Housing Allowance Program payments made under Annual Contributions Contracts entered into prior to January 1, 1975 under Section 23 of the U.S. Housing Act of 1937, as amended (42 U.S.C. 1437 (f)).

- 7) The first \$50 of the total child support payments received each month on behalf of the assistance unit members. The amount of up to \$50 exempted is based on the total child support received in a month, regardless of the number of parents who contribute. Both court ordered and voluntary payments are considered when exempting the first \$50 of child support payments.

- 8) A Title IV-E adoption assistance payment or foster care payments received from a state welfare agency of another state.

- 9) Income from a trust fund established under the Self Sufficiency Trust Fund Program (Section 5-118 of the Mental Health and Developmental Disabilities Code, Ill. Rev. Stat. 1989, ch. 91 1/2, par. 5-118).

- 10) Payments made to veterans who receive an annual disability payment or to the survivors of deceased veterans who receive a one-time lump sum payment from the Agent Orange Settlement Fund or any other fund referencing Agent Orange product liability under P.L. 101-201.

- 11) Payments made by the Illinois Department of Mental Health and Developmental Disabilities under the Family Assistance Program for Mentally Disabled Children under P.A. 86-921.

- 12) Payments received from a fund established by a State to aid victims of crime.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.390 Persons Who May Be Included In the Assistance Unit

a) MANG(C)

- 1) The assistance unit must include at least one eligible child or only an adult(s) caretaker relative whose eligibility is based on a child who is otherwise eligible except the child receives SSI. No more than two of the following individuals may be included as adults:

- A) The caretaker relative;
- B) The parent of an eligible child;
- C) The needy relative other than the caretaker relative who provides at least one of the following services:
 - i) child care which enables the caretaker relative to work on a full-time (at least 100 hours per month) paid basis outside the home;
 - ii) care for an incapacitated family member in the home;
 - iii) child care that enables a caretaker relative to receive training full-time;
 - iv) child care that enables a caretaker relative to attend high school or General Educational Development (GED) classes full-time; or
 - v) child care for a period not to exceed two months that enables the caretaker relative to participate in a Project Chance (AFDC) work program such as Job Search.

- 2) The eligibility of a child in a-an Assistance unit depends on that child's lack of parental support or care. All eligible dependent children and stepchildren in a family unit shall be included in a single case, except in two-parent households where there are children of differing parentage, some of whom lack parental support or

DEPARTMENT OF PUBLIC AID

NOTICE OF ADOPTED AMENDMENTS

Section 120.390 Persons Who May Be Included In the Assistance Unit (Cont'd)

care because of the unemployment of a parent. In such a circumstance two separate assistance cases shall be established: one for both adults and children whose eligibility derives from their parent's unemployment and one for the remaining children. The provisions of this Section shall not affect the right of a child who is a parent to receive assistance in a separate case as a caretaker relative for his/her dependent child.

b) MANG(AABD)

The eligible person only shall be included in the assistance unit.

c) MANG(P)

The assistance unit shall only include pregnant women and children under age six-(6)-eight (8) who meet the eligibility requirements of Section 120.11.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

Section 120.391

Individuals Under Age 18 Who Do Not Qualify For AFDC/AFDC-MANG And Children Under Age Six-Eight

a) Individuals Under Age 18

- 1) Medical assistance shall be provided to individuals under age eighteen (18) who do not qualify for AFDC under the definition of dependent child as defined in 89 Ill. Adm. Code 101.20 and 112.61 through 112.64. However, such individuals must meet the eligibility requirements and other provisions of 89 Ill. Adm. Code 112.10, 112.20, and 112.Subpart C.
- 2) If non-exempt countable income (see Sections 120.360 thru 120.375) is equal to or less than the appropriate MANG (AFDC) standard, (see Section 120.30) the individual is eligible for payment of his/her allowable medical care costs (see 89 Ill. Adm. Code 140.3).

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Section 120.391

Individuals Under Age 18 Who Do Not Qualify For AFDC/AFDC-MANG And Children Under Age Six-Eight (Cont'd)

- 3) Persons whose income exceeds the appropriate MANG (AFDC) standard are eligible for medical assistance each month incurred or paid medical care costs equal the amount of excess non-exempt income over the standard. When income exceeds the MANG (AFDC) standard, eligibility begins on the day in the month incurred or paid medical care costs equals excess monthly income. Eligibility ends on the last day of the same month.

b) Children Under Age-Six-Eight

Medical assistance shall be provided to children under age six (6) who do not qualify as mandatory categorically needy (Social Security Act (42 U.S.C. 1902(a)(10)(A)(i) and 1905(n)) and meet the eligibility requirements of 89 Ill. Adm. Code 120.11, 120.31, 120.64.

(Source: Amended at 15 Ill. Reg. 12747, effective August 16, 1991)

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NOTICE OF ADOPTED AMENDMENT(S)

- 1) The Heading of the Part: Certificates of Title, Registration of Vehicles
- 2) Code Citation: 92 Ill. Adm. Code 1010
- 3) Section numbers:
1010.425 Adopted Action:
1010.426 New Section
1010.740 New Section
Amendment
- 4) Statutory Authority: Implementing Chapter 3 and authorized by Section 2-104(b) of the Illinois Vehicle Title and Registration Law of the Illinois Vehicle Code (Ill. Rev. Stat. 1989, ch. 95 1/2, pars. 3-100 et seq. and 2-104(b))
- 5) Effective Date of Amendment: August 15, 1991
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this amendment contain incorporations by reference? No
- 8) Date Filed in Agency's Principal Office: August 15, 1991
- 9) Notice of Proposal Published in Illinois Register:
15 Ill. Reg. 4686, March 29, 1991
- 10) Has JCAR issued a Statement of Objections to these amendments? No
- 11) Differences between proposal and final version:
1. Updated all Ill. Rev. Stats. to 1989.
2. In Section 1010.425(b)(1) added the text "as required by Section 3-811 of the Illinois Vehicle Code" after "appropriate fee".
3. Enclosed the Section label parenthetical expressions in Sections 1010.425(d)(2), 1010.426(d)(1) and (d)(2).
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes
- 13) Will these amendments replace an emergency rule amendment currently in effect? No
- 14) Are there any amendments pending on this Part? No
- 15) Summary and Purpose of Rules: Codification of the Secretary of State's procedures concerning issuing permits.

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NOTICE OF ADOPTED AMENDMENT(S)

(c) Information and questions regarding these adopted amendments shall be directed to:

Robert B. Powers
Assistant Counsel
298 Centennial Building
Springfield, Illinois 62706
217/785-3094

The full text of the Adopted Amendment begins on the next page:

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NOTICE OF ADOPTED AMENDMENT(S)

TITLE 92: TRANSPORTATION
CHAPTER II: SECRETARY OF STATE

PART 1010

CERTIFICATES OF TITLE, REGISTRATION OF VEHICLES

SUBPART A: DEFINITIONS

Section
1010.10 Owner--Application of Term
1010.20 Secretary and Department

SUBPART B: TITLES

Section
1010.110 Salvage Certificate-Additional Information Required to Accompany Application for a Certificate of Title for a Rebuilt or a Restored Vehicle Upon Surrendering Salvage Certificate
1010.120 Salvage Certificate-Assignments and Reassignments
1010.130 Exclusiveness of Lien on Certificate of Title
1010.140 Documents Required to Title and Register Imported Vehicles Not Manufactured in Conformity with Federal Emission or Safety Standards
1010.150 Transferring Certificates of Title Upon the Owner's Death
1010.160 Repossession of Vehicles by Lienholders and Creditors
1010.170 Junking Notification

SUBPART C: REGISTRATION

Section
1010.210 Application for Registration
1010.220 Vehicles Subject to Registration - Exceptions
1010.230 Refusing Registration or Certificate of Title
1010.240 Registration Plates To Be Furnished By The Secretary of State
1010.250 Applications For Reassignment

SUBPART D: REVOCATION, SUSPENSION AND CANCELLATION OF REGISTRATION

Section
1010.300 Operation of Vehicle after Cancellation, Suspension, or Revocation of any Registration
1010.310 Improper Use of Evidences of Registration
1010.320 Suspension, Cancellation or Revocation of Illinois Registration Plates and Cards and Titles
1010.330 Operation of Vehicle Without Proper Illinois Registration
1010.350 Suspension or Revocation
1010.360 Surrender of Plates, Decals or Cards

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NOTICE OF ADOPTED AMENDMENT(S)

SUBPART E: SPECIAL PERMITS AND PLATES

Section
 1010.410 Temporary Registration - Individual Transactions
 1010.420 Temporary Permit Pending Registration in Illinois
 1010.425 Non-Resident Drive-Away Permits
 1010.426 Five Day Permits
 1010.430 Registration Plates for Motor Vehicles Used for Transportation for Compensation and Tow Trucks
 1010.440 Title and Registration of Vehicles with Permanently Mounted Equipment
 1010.450 Special Plates
 1010.451 Purple Heart License Plates
 1010.452 Special Event License Plates
 1010.453 Retired Armed Forces License Plates
 1010.454 Gold Star License Plates
 1010.455 Collectible License Plates
 1010.456 Sample License Plates For Motion Picture and Television Studios
 1010.460 Special Plates for Members of the United States Armed Forces Reserves
 1010.470 Dealer Plate Records
 1010.480 State of Illinois In-Transit Plates

SUBPART F: FEES

Section
 1010.510 Determination of Registration Fees
 1010.520 When Fees Returnable
 1010.530 Circuit Breaker Registration Discount
 1010.540 Maximum Fees for Distribution of Motor Vehicle Renewal Plates and/or Stickers

SUBPART G: MISCELLANEOUS

Section
 1010.610 Unlawful Acts, Fines and Penalties
 1010.620 Change of Engine

SUBPART H: SECOND DIVISION VEHICLES

Section
 1010.705 Reciprocity
 1010.710 Vehicle Proration
 1010.715 Proration Fees
 1010.720 Vehicle Apportionment
 1010.725 Trip Leasing
 1010.730 Intrastate Movements, Foreign Vehicles

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1010.735 Interline Movements
 1010.740 Trip and Short-term Permits
 1010.745 Signal 30 Permit for Foreign Registration Vehicles (Repealed)
 1010.750 Signal 30-Year-round for Prorated Fleets of Leased Vehicles (Repealed)
 1010.755 Mileage Tax Plates
 1010.756 Suspension or Revocation of Illinois Mileage Weight Tax Plates
 1010.760 Transfer for "For-Hire" Loads
 1010.765 Suspension or Revocation of Exemptions as to Foreign Registered Vehicles
 1010.770 Required Documents for Trucks and Buses to detect "intrastate" movements
 1010.775 Certification of Safety

APPENDIX A Uniform Vehicle Registration Proration and Reciprocity Agreement
 APPENDIX B International Registration Plan

AUTHORITY: Implementing Chapter 3 and authorized by Section 2-104(b) of the Illinois Vehicle Title & Registration Law of the Illinois Vehicle Code (Ill. Rev. Stat. 1989, ch. 95 1/2, pars. 3-100 et seq. and 2-104(b)).

SOURCE: Filed and effective December 15, 1970; emergency amendments at 2 Ill. Reg. 25, p. 119, effective June 14, 1978, for a maximum of 150 days; amended at 3 Ill. Reg. 12, p. 76, effective March 23, 1979; amended at 3 Ill. Reg. 29, p. 123, effective July 20, 1979; amended at 4 Ill. Reg. 17, p. 247, effective April 11, 1980; emergency amendments at 4 Ill. Reg. 21, p. 99, effective May 14, 1980, for a maximum of 150 days; amended at 6 Ill. Reg. 2241, effective February 1, 1982; amended at 6 Ill. Reg. 11076, effective August 26, 1982; codified at 6 Ill. Reg. 12674; amended at 7 Ill. Reg. 1432, effective January 21, 1983; amended at 7 Ill. Reg. 1436, effective January 21, 1983; amended at 8 Ill. Reg. 5329, effective April 6, 1984; amended at 9 Ill. Reg. 3358, effective March 1, 1985; amended at 9 Ill. Reg. 9176, effective May 30, 1985; amended at 9 Ill. Reg. 12863, effective August 2, 1985; amended at 9 Ill. Reg. 14711, effective September 13, 1985; amended at 10 Ill. Reg. 1243, effective January 6, 1986; amended at 10 Ill. Reg. 4245, effective February 26, 1986; amended at 10 Ill. Reg. 14308, effective August 19, 1986; recodified at 11 Ill. Reg. 15970; amended at 12 Ill. Reg. 14711, effective September 15, 1988; amended at 12 Ill. Reg. 15193, effective September 15, 1988; amended at 13 Ill. Reg. 1598, effective February 1, 1989; amended at 13 Ill. Reg. 5173, effective April 1, 1989; amended at 13 Ill. Reg. 7965, effective May 15, 1989; amended at 13 Ill. Reg. 15102, effective September 15, 1989; amended at 14 Ill. Reg. 4560, effective March 1, 1990; amended at 14 Ill. Reg. 6848, effective April 18, 1990; amended at 14 Ill. Reg. 9492, effective June 1, 1990; amended at 14 Ill. Reg. 17378, effective October 15, 1990; amended at 14 Ill. Reg. 19066, effective November 15, 1990; amended at 15 Ill. Reg. 12782, effective August 15, 1991.

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NOTICE OF ADOPTED AMENDMENT(S)

Section 1010.425 Non-Resident Drive-Away Permits

- a) For the purpose of this Section, the following definition shall apply:

"Authorized Agent" - A licensed remittance agent or dealer who has made application for and received Drive-Away Permits from the Secretary of State for issuance to subsequent permit purchasers.

"Non-Resident Drive-Away Permit" - a temporary registration permit as provided in Section 3-603 of the Illinois Vehicle Title & Registration Law of the Illinois Vehicle Code (Ill. Rev. Stat. 1989, ch. 95 1/2, pars. 3-603) which allows a vehicle to be operated on the highway for the primary purpose of allowing the vehicle to be driven from the place of acquisition to a destination outside of Illinois within a ten (10) day period. The permit can be issued by a licensed dealer, remittance agent or at most Secretary of State facilities.

"Permit Purchaser" - an Illinois resident or non-resident purchasing a Non-Resident Drive-Away Permit for a vehicle to be driven to a destination outside of Illinois.

"Secretary of State" - Secretary of State of Illinois.

- b) If a permit purchaser obtains a Non-Resident Drive-Away Permit at a Secretary of State facility:

1) The permit purchaser shall complete a Vehicle Permit Application. The appropriate fee as required by Section 3-811 of the Illinois Vehicle Code must accompany the application.

2) The permit purchaser shall provide proof that he/she owns the vehicle. Acceptable ownership documents include, but are not limited to:

- A) a title issued in the permit purchaser's name;
- B) a title assigned to the permit purchaser;
- C) a Manufacturer's Certificate of Origin issued or assigned to the permit purchaser;
- D) a registration identification card which has been expired less than one (1) year; or
- E) verification through the Secretary of State computer file.

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- 3) The Secretary of State employee shall attach a photocopy of the proof of ownership to the second part of the permit (the agent's copy). If ownership is verified through the Secretary of State's computer file, the information shall be written on the agent's copy.

4) The permits shall be issued in numerical sequence and completed in full containing the following information:

- A) the expiration date of the permit;
- B) the name and address of the permit purchaser (must show out-of-state address);
- C) the year, make and vehicle identification number of the vehicle;
- D) the name and address of the Secretary of State issuing facility; and
- E) the signature of the Secretary of State employee.

- c) If a dealer or remittance agent wishes to obtain permits for issuance as an authorized agent of the Secretary of State:

1) The dealer/remittance agent shall submit an application accompanied by the appropriate fee for each permit to the Secretary of State which contains the following information:

- A) the name and address of the authorized agent and his/her license number;
- B) the type and quantity of permits being requested; and
- C) the signature of the authorized agent.

- d) The sale of permits by an authorized agent is as follows:

1) If a permit purchaser obtains a permit from an authorized agent rather than a Secretary of State facility, he/she shall provide proof of ownership to the authorized agent as provided in subsection b) 2), A) through D).

2) The authorized agent shall attach a photocopy of the proof of ownership to the second part of the permit (agent's copy as provided in subsection (b) (3)) and complete the Drive-Away Permit in full as provided in subsection (b) (4). The only difference being that the permit will contain the name, address, and signature of the authorized agent rather than the Secretary of State facility address and the Secretary of State employee's signature.

- 3) The authorized agent shall issue the permits in numerical order. The authorized agent shall maintain records of the

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permits issued for three (3) years. The Secretary of State or his representative shall have free access to the records of any such authorized agent issuing Drive-Away Permits.

- e) The permit shall be displayed in the lower left side of the rear window of the vehicle. License plates are not to be displayed on the vehicle if the permit is being used. The permit can be issued to both First and Second Division vehicles. When properly displayed, the permit is an official document recognized by law enforcement agencies. (However, if the owner plans on carrying cargo in a second division vehicle, they will need to check with the various states for special requirements.)

- f) Non-Resident Drive-Away Permits may be issued for a variety of situations including, but not limited to, the following:

- 1) a non-resident of Illinois who purchases a vehicle from an Illinois resident;
- 2) a non-resident of Illinois who purchases a vehicle from another non-resident of Illinois within the State of Illinois;
- 3) an Illinois resident who has expired Illinois registration or Illinois registration that will expire in less than ten (10) days and who has or will be establishing residency in another state, if the out-of-state address is provided on the application; or
- 4) an Illinois resident who was issued an Illinois title, but was not issued license plates because he/she is moving to another state, if the out-of-state address is provided on the application.

(Source: Added at 15 Ill. Reg. 12782, effective August 15, 1991.)

Section 1010.426 Five Day Permits

- a) For the purpose of this Section, the following definition shall apply:

"Authorized Agent" - A licensed remittance agent or dealer who has made application for and received Five Day Permits from the Secretary of State for issuance to subsequent permit purchasers.

"Five Day Permit" - a temporary registration permit as provided in Section 3-403 of the Illinois Vehicle Title & Registration Law of the Illinois Vehicle Code (Ill. Rev. Stat. 1989, ch. 95 1/2, pars. 3-403) issued to an Illinois resident for operation of a non-registered vehicle within the State of

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Illinois for up to five (5) days. In addition, the permit can be issued to a person whose registration is suspended for non-compliance with the Emissions program. This will allow the person to drive to an emissions testing station or repair facility. The permit can be issued by a licensed dealer, remittance agent or at most Secretary of State facilities.

"Permit Purchaser" - an Illinois resident purchasing a Five Day Permit for his/her non-registered vehicle.

"Secretary of State" - Secretary of State of Illinois.

- b) If a permit purchaser obtains a Five Day Permit at a Secretary of State facility:

- 1) The permit purchaser shall complete a Vehicle Permit Application. The appropriate fee must accompany the application as provided in Section 3-403 of the Illinois Vehicle Title & Registration Law of the Illinois Vehicle Code.
- 2) The permit purchaser shall provide proof that he/she owns the vehicle. Acceptable ownership documents include, but are not limited to:

- A) a title issued in the permit purchaser's name;
- B) a title assigned to the permit purchaser;
- C) a Manufacturer's Certificate of Origin issued or assigned to the permit purchaser;
- D) a registration identification card which has been expired less than one (1) year; or
- E) verification through the Secretary of State computer file.

- 3) The Secretary of State employee shall attach a photocopy of the proof of ownership to the second part of the permit (the agent's copy). If ownership is verified through the Secretary of State's computer file, the information shall be written on the agent's copy.

- 4) The permits shall be issued in numerical sequence and completed in full containing the following information:

- A) the issuance date and expiration date of the permit;
- B) the name and address of the permit purchaser;
- C) the year, make and vehicle identification number of the vehicle;
- D) the name and address of the Secretary of State issuing

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facility; and

E) the signature of the Secretary of State employee.

c) If a dealer or remittance agent wishes to obtain permits for issuance as an authorized agent of the Secretary of State:

- 1) The dealer/remittance agent shall submit an application accompanied by the appropriate fee as provided in Section 3-403 of the Illinois Vehicle Title & Registration Law of the Illinois Vehicle Code for each permit to the Secretary of State which contains the following information:

- A) the name and address of the authorized agent and his/her license number;
- B) the type and quantity of permits being requested; and
- C) the signature of the authorized agent.

d) The sale of permits by an authorized agent is as follows:

- 1) If a permit purchaser obtains a permit from an authorized agent rather than a Secretary of State facility, he/she shall provide proof of ownership to the authorized agent as provided in subsection (b) (2), (A) through (D).

- 2) The authorized agent shall attach a photocopy of the proof of ownership to the second part of the permit agent's copy as provided in subsection (b) (3) and complete the Five Day Permit in full as provided in subsection (b) (4). The only difference being that the permit will contain the name, address, and signature of the authorized agent rather than the Secretary of State facility address and the Secretary of State employee's signature.

- 3) The authorized agent shall issue the permits in numerical order. The authorized agent shall maintain records of the permits issued for three (3) years. The Secretary of State or his representative shall have free access to the records of any such authorized agent issuing Five Day Permits.

e) The permit shall be displayed in the lower left side of the rear window of the vehicle. License plates are not to be displayed on the vehicle if the permit is being used. The permit can be issued to both First and Second Division vehicles, but second division vehicles shall be operated on empty weight. When properly displayed, the permit is an official document recognized by law enforcement agencies.

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f) Five Day Permits may be issued for a variety of situations including, but not limited to, the following:

- 1) test driving a vehicle being sold by a non-dealer without current registration;
- 2) driving a vehicle which has its own license plates suspended because of failure to comply with the emissions requirements to an EPA testing station; and
- 3) if the registration of a vehicle has expired.

(Source: Added at 15 Ill. Reg. 12782, effective August 15, 1991.)

Section 1010.740 Trip and Short-term Permits

a) One-trip permits: 72 hours or 3 calendar days.

- 1) Interstate Movements by "Commercial Vehicles".

A) One-trip permits for the operation within Illinois of "commercial vehicle" whether for-hire or not-for-hire, when such are not eligible for reciprocity, may be issued on an occasional basis for a specific short-term or emergency use. However, such permits are not available for:

- i) Vehicle eligible for Reciprocity and which must possess in their cabs Illinois Reciprocity Permits.
- ii) Vehicles eligible for apportionment unless, in the discretion of the Secretary, it is impractical to apportion or prorate a particular vehicle.
- iii) Qualifying a "not-for-hire" vehicle for a "for-hire" movement.
- iv) In lieu of required registration except as herein provided.
- v) To qualify a vehicle for intrastate movements unless otherwise provided for in this rule.

B) Permits may be issued in advance of a movement in the name of the applicant, and the applicant may then complete the vehicle data required in advance of the movement. However, data must be typed in before the movement commences to prevent re-use of the same permit.

C) A permit is valid for only one trip or one round-trip by one vehicle or combination but once. Copies of used

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permits must be retained for four calendar years and be available for audit.

- D) A permit shall be valid for only one proper use within 90 days after issuance and shall be void thereafter.
- E) A "carnival" vehicle properly registered in a reciprocal jurisdiction which has come to rest at a point in Illinois and which is then to be moved to another point in Illinois in an intrastate movement shall be eligible for a one-trip permit for carnival purposes only. No blank permits will be issued.
- F) No permit is required for a semitrailer or trailer if the motor vehicle drawing or towing the same has a valid permit including the gross weight of the trailing vehicle.
- 2) Other Limitations and Restrictions. Limitations and restrictions affecting permits are as follows:
 - A) Reclassification of any permit is not permissible.
 - B) Refunds for any permit is not permissible.
 - C) Refunds for an unused permit are not available.
 - D) Replacement of a lost permit is not permissible.
 - E) Vehicles required by law to be registered in Illinois for a calendar or fiscal year are not eligible for any permit.

b) One-month or three-month Registration Permits.

- 1) A registration permit for one calendar month, ~~or for three calendar months comprising a normal quarter of a year,~~ may be issued to vehicles of the second division, only on an occasional basis or for a specific and special short-term use. Such permits may not be issued to vehicles which are required by law to be registered on an annual basis.
- 2) Therefore, such registrations shall be limited to the following situations:
 - A) Carnival vehicles registered in other States and used only temporarily in Illinois in intrastate movements.
 - B) Itinerant farm trucks registered in other States, leased by an Illinois farmer, and the owner thereof picks produce and delivers it to the point of first processing.

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- C) School buses displaying an Illinois school bus plate, for charter operations within Illinois ~~during the summer months.~~

3) All such permits shall be restricted as follows:

- A) No refunds will be accepted or granted.
- B) Reclassification of a permit will not be permitted.
- C) Transfer of a permit from one person to another or from one vehicle to another will not be permitted.
- D) Replacement of a lost permit will not be made.
- E) ~~the number of such permits in any fiscal year shall be limited as follows:~~
 - ~~i) One 3-month permit per vehicle, or~~
 - ~~ii) Two 1-month permits per vehicle, or~~
 - ~~iii) One 1-month permit plus one 3-month permit per vehicle, or~~
 - ~~iv) One 1-month permit plus one 3-month permit plus one 1-month permit per vehicle, and~~
- EF) The permit shall be subject to revocation for a violation or if it is not affixed permanently to the vehicle.

(Source: Added at 15 Ill. Reg. 12782, effective August 15, 1991.)

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- 1) The Heading of the Part: DRUG MANUAL
2) Code Citation: 89 Ill. Adm. Code 141
3) Section Numbers: Emergency Action:

141.10 Repealed
141.100 Repealed
141.200 Repealed
141.240 Repealed
141.280 Repealed
141.320 Repealed
141.360 Repealed
141.400 Repealed
141.440 Repealed
141.480 Repealed
141.520 Repealed
141.560 Repealed
141.600 Repealed
141.640 Repealed
141.680 Repealed
141.720 Repealed
141.760 Repealed
141.800 Repealed
141.840 Repealed
141.880 Repealed
141.920 Repealed
141.960 Repealed
141.1000 Repealed
141.1040 Repealed
141.1080 Repealed
141.1120 Repealed
141.1125 Repealed
141.1160 Repealed
141.1200 Repealed
141.1240 Repealed
141.1280 Repealed
141.1320 Repealed
141.1360 Repealed
141.1400 Repealed
141.1480 Repealed
141.1500 Repealed
141.1520 Repealed
141.1560 Repealed
141.1600 Repealed
141.1640 Repealed
141.1680 Repealed
141.1720 Repealed

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- Section Numbers: Proposed Action:

141.1760 Repealed
141.1800 Repealed
141.1840 Repealed
141.1880 Repealed
141.1920 Repealed
141.1960 Repealed
141.2000 Repealed
141.2040 Repealed
141.2080 Repealed
141.2120 Repealed
141.2160 Repealed
141.2200 Repealed
141.2240 Repealed
141.2280 Repealed
141.2320 Repealed
141.2360 Repealed
141.2400 Repealed
141.2440 Repealed
141.2480 Repealed
141.2520 Repealed
141.2560 Repealed
141.2600 Repealed
141.2680 Repealed
141.2720 Repealed
141.2760 Repealed
141.2800 Repealed
141.2840 Repealed
141.2880 Repealed
141.2920 Repealed
141.2960 Repealed
141.3000 Repealed
141.3040 Repealed
141.3080 Repealed
141.3120 Repealed
141.3160 Repealed
141.3200 Repealed
141.3240 Repealed
141.3280 Repealed
141.3320 Repealed
141.3360 Repealed
141.3400 Repealed
141.3440 Repealed
141.3480 Repealed
141.3520 Repealed
141.3560 Repealed
141.3600 Repealed

141.3600 Repealed

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- | Section Numbers: | Proposed Action: |
|------------------|------------------|
| 141.3640 | Repealed |
| 141.3680 | Repealed |
| 141.3720 | Repealed |
| 141.3760 | Repealed |
| 141.3800 | Repealed |
| 141.3840 | Repealed |
| 141.3880 | Repealed |
| 141.3920 | Repealed |
| 141.3960 | Repealed |
| 141.4000 | Repealed |
| 141.4080 | Repealed |
| 141.4120 | Repealed |
| 141.4160 | Repealed |
| 141.4200 | Repealed |
| 141.4230 | Repealed |
| 141.4240 | Repealed |
| 141.4280 | Repealed |
| 141.4320 | Repealed |
| 141.4360 | Repealed |
| 141.4440 | Repealed |
| 141.4480 | Repealed |
| 141.4520 | Repealed |
| 141.4560 | Repealed |
| 141.4600 | Repealed |
| 141.4640 | Repealed |
| 141.4680 | Repealed |
| 141.4720 | Repealed |
| 141.4760 | Repealed |
| 141.4800 | Repealed |
- 4) Statutory Authority: Sections 5-5.16 and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5.16 and 12-13) and Section 5.02 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1989, Ch. 127, Par. 1005.02)
- 5) Effective Date of Emergency Repealer: August 15, 1991
- 6) If this Emergency Repealer is to expire before the end of the 150-day period, please specify the date on which they are to expire: Not applicable
- 7) Date Filed in Agency's Principal Office: August 15, 1991

- 8) Reason for Emergency: Effective January 1, 1991, Section 4401 of the Omnibus Reconciliation Act of 1990 requires that coverage of drug products is limited to those drugs manufactured by manufacturers having rebate agreements with the Secretary of HHS. As a result, inclusion and exclusion of drug products from the Drug Manual will no longer be determinative of Department coverage. The Department has determined that the health and welfare of persons affected by this rulemaking would be threatened in the absence of its immediate implementation.
- 9) A Complete Description of the Subjects and Issues Involved: Effective January 1, 1991, Section 4401 of the Omnibus Reconciliation Act of 1990 requires that coverage of drug products is limited to those drugs manufactured by manufacturers having rebate agreements with the Secretary of HHS. As a result, inclusion and exclusion of drug products from the Drug Manual will no longer be determinative of Department coverage.
- 10) Are there any Proposed Amendments pending to this Part? No
- 11) Statement of Statewide Policy Objectives: This rulemaking has no effect on local governmental units.
- 12) Information and questions regarding this Emergency Repealer shall be directed to:

Name:

Daniel Leikvold, Staff Attorney
Office of the General Counsel

Address:

Illinois Department of Public Aid
Jesse B. Harris Bldg. II, 3rd Flr.
100 South Grand Avenue East
Springfield, Illinois 62762

Telephone:

(217) 782-1233

The full text of the Emergency Repealer begins on the next page:

DEPARTMENT OF PUBLIC AID

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TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
SUBCHAPTER d: MEDICAL PROGRAMS

PART 141
DRUG MANUAL

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EMERGENCY	
141.240	ANALGESICS/NARCOTIC ANTAGONISTS: GOUT
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141.600	ANTIMICROBIAL: AMINOGLYCOSIDES
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141.760	ANTIMICROBIAL: ERYTHROMYCINS
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141.800	ANTIMICROBIAL: MISCELLANEOUS
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141.840	ANTIMICROBIAL: NITROFURANTOINS
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141.880	ANTIMICROBIAL: PENICILLINS
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141.1080	BLOOD: ANTICOAGULANT
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141.1120	BLOOD: HEMOSTATIC
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141.1680	EYE/EAR/NOSE/THROAT: ANTI-INFLAMMATORY
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141.1720	EYE/EAR/NOSE/THROAT: ANTIVIRALS
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PSYCHOTHERAPEUTIC: ANTIMANIC

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PSYCHOTHERAPEUTIC: SEDATIVE/HYPNOTIC

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RESPIRATORY/ALLERGIC: ANTIHISTAMINE

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SKIN/MUCOUS MEMBRANE: DERMAL ULCERS

SKIN/MUCOUS MEMBRANE: FUNGICIDES

SKIN/MUCOUS MEMBRANE: KERATOCYTIC

SKIN/MUCOUS MEMBRANE: LOCAL ANTI-INFECTIVES

SKIN/MUCOUS MEMBRANE: MISCELLANEOUS

SKIN/MUCOUS MEMBRANE: SCABICIDES/PEDICULOCIDES

TESTING SUPPLIES

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Section
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UNCLASSIFIED

URINARY ANTISPASMODICS

VAGINAL: ANTI-INFECTIVES

VAGINAL: MISCELLANEOUS

AUTHORITY: Implementing and authorized by Sections 5-5 and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, pars. 5-5 and 12-13)

SOURCE: Emergency amendment at 5 Ill. Reg. 13555, effective December 1, 1981, for a maximum of 150 days; amended at 6 Ill. Reg. 9991, effective August 1, 1982; emergency amendment at 6 Ill. Reg. 10042, effective August 1, 1982, for a maximum of 150 days; emergency amendment at 7 Ill. Reg. 1178, effective February 1, 1983, for a maximum of 150 days; amended and codified as 89 Ill. Adm. Code 140.72 at 7 Ill. Reg. 17358, effective December 21, 1983; emergency amendment at 8 Ill. Reg. 580, effective January 1, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 13779, effective July 24, 1984; recodified from 89 Ill. Adm. Code 140.72 and 89 Ill. Adm. Code 140.73 at 8 Ill. Reg. 16354; amended at 9 Ill. Reg. 3335, effective March 1, 1985; emergency amendment at 10 Ill. Reg. 8153, effective May 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 17681, effective September 28, 1986; emergency amendment at 10 Ill. Reg. 20828, effective December 1, 1986, for a maximum of 150 days; recodified from 89 Ill. Adm. Code 140.71 at 11 Ill. Reg. 4302; amended at 11 Ill. Reg. 5235, effective March 12, 1987; emergency amendment at 11 Ill. Reg. 5330, effective March 13, 1987 for a maximum of 150 days; amended at 11 Ill. Reg. 11113, effective June 10, 1987; emergency amendment at 11 Ill. Reg. 11361, effective June 15, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 16726, effective September 30, 1987; emergency amendment of 11 Ill. Reg. 20236, effective December 1, 1987, for a maximum of 150 days; amended at 12 Ill. Reg. 7358, effective April 12, 1988; emergency amendment at 12 Ill. Reg. 10197, effective June 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 14219, effective August 30, 1988; emergency amendment at 12 Ill. Reg. 15667, effective September 15, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 20851, effective December 2, 1988, for a maximum of 150 days; amended at 13 Ill. Reg. 516, effective December 28, 1988; amended at 13 Ill. Reg. 3850,

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effective March 17, 1989; emergency amendment at 13 Ill. Reg. 8036, effective May 15, 1989, for a maximum of 150 days; emergency amendment at 13 Ill. Reg. 10700, effective June 15, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 15672, effective September 22, 1989; amended at 13 Ill. Reg. 16982, effective October 20, 1989; emergency amendment at 14 Ill. Reg. 2657, effective February 2, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 3595, effective February 27, 1990; amended at 14 Ill. Reg. 6339, effective April 16, 1990; amended at 14 Ill. Reg. 9464, effective May 31, 1990; emergency amendment at 14 Ill. Reg. 12278, effective July 15, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 12910, effective August 1, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 18015, effective October 30, 1990; amended at 14 Ill. Reg. 19325, effective November 27, 1990; emergency amendment at 15 Ill. Reg. 1121, effective January 15, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 7117, effective April 30, 1991; emergency repealer at 15 Ill. Reg. 12795, effective August 15, 1991, for a maximum of 150 days.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

Section 141.10 DRUG MANUAL
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- a) Consistent with its mandate to provide for the health and safety of medical assistance recipients, the Department shall provide for the timely additions and deletions of drugs to the Drug Manual (see 89 Ill. Adm. Code 141). Such additions and deletions of drugs to the Drug Manual shall be pursuant to Section 5-5.16 of the Illinois Public Aid Code (ILL. REV. STAT. 1987, ch. 23, par. 5-5.16). THE DEPARTMENT SHALL ADOPT AS A RULE PURSUANT TO SECTION 5 OF THE ILLINOIS ADMINISTRATIVE PROCEDURE ACT (Ill. Rev. Stat. 1987, ch. 127, par. 1005) A BASIC FORMAT FOR THE CONSIDERATION OF DRUGS FOR PROVIDER REIMBURSEMENT. The Department, on its own behalf may determine the extent of drug coverage, where allowed by state and federal law, in the following manner.

b) Drug Review Process

- 1) It is the responsibility of the Department to consult with individuals or organizations which possess appropriate expertise in the areas of pharmacology and medicine. In doing so, the

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Section 141.10 DRUG MANUAL (Cont'd)
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Department shall consult with organizations composed of physicians, pharmacologists, or both, and shall, to the extent that it consults with organizations, limit its consultations to organizations which include within their membership physicians practicing in all of the representative geographic areas in which recipients reside and practicing in a majority of the areas of specialization for which the Department reimburses physicians for providing care to recipients.

- 2) The Department shall consult with a panel from such organization (the panel is selected by such organization) to review and make recommendations on the additions to and deletions from the Drug Manual. This panel shall meet not less than four times a year for the purpose of the review of drugs to be added to or deleted from the Drug Manual. The actions of the panel shall be non-binding upon the Department and can in no way bind or otherwise limit the Department's right to determine in its sole discretion additions to or deletions from the Drug Manual.

- c) Upon receipt of the final agenda established for each meeting of the above described panel, the Department shall promptly review materials and literature supplied by drug manufacturers. Additional literature may be researched by the Department to assist them in their review of the products on the agenda. The Department shall make recommendations (i.e., regarding additions, deletions and general changes to the Drug Manual) and shall within ten (10) working days of receipt of the agenda transmit such recommendations in writing to the panel. This shall be done for each meeting of the above described panel.

- d) The consulting organization, based upon the recommendations of its expert panel shall review and comment on each of the recommendations of the Department and shall transmit its recommendations to the Department in writing.

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Section 141.10 DRUG MANUAL (Cont'd)

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- e) Upon receipt of this transmittal letter, the Department shall notify within fifteen (15) working days all interested parties, including the pharmaceutical manufacturers of the products, all recommendations of the consulting organization accepted or rejected by the Director. Within forty-five (45) days from receipt of the transmittal letter, the Department shall make effective for reimbursement, those products accepted by the Director for additions to the Drug Manual. (Additions, deletions and general changes shall be made to the Drug Manual through emergency rulemaking pursuant to Section 5.02 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1987, ch. 127, par. 1005.02), and as soon as practicable thereafter, as a proposed rule pursuant to Section 5.01 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1987, ch. 127, par. 1005.01)). Deletions from the Drug Manual shall not become effective without thirty (30) days prior notice to providers and all interested parties, including the manufacturers of the deleted products. The Department shall establish and maintain a mailing list of all interested parties who wish to receive a copy of the Drug Manual and applicable notice.

- f) New dosage strengths and new forms of products currently included in the Drug Manual shall be included in the Drug Manual following U.S. Food and Drug Administration approval and request of the manufacturer, unless otherwise designated by the Director. In such a case, the Director shall submit the new dosage strength, or new form, to the standard inclusion procedure described above.

- g) Drug manufacturers shall be afforded an opportunity to request reconsideration of products not recommended to be added to the Drug Manual. Drug manufacturers shall also be afforded an opportunity to request reconsideration of drugs deleted from the Drug Manual. The Drug manufacturers may submit whatever information they deem appropriate to support their request for reconsideration of the drug product. All reconsideration requests must be submitted in writing to the Department and shall be considered at the next regularly scheduled meetings

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Section 141.10 DRUG MANUAL (Cont'd)

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of the above described expert panel convened by the consulting organization.

- h) The Department shall utilize the procedures described in subsections (a) through (g) of this Section to give EXPEDITED REVIEW, FOR PURPOSES OF INCLUSION IN THE DRUG MANUAL, OF ANY DRUG FOR THE TREATMENT OF ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) WHICH THE FEDERAL FOOD AND DRUG ADMINISTRATION HAS INDICATED IS SUBJECT TO A TREATMENT INVESTIGATIONAL NEW DRUG APPLICATION, and which is not available free of charge to recipients from the drug manufacturer or distributor (Section 5-5.13 of the Illinois Public Aid Code, Ill. Rev. Stat. 1987, ch. 23, par. 5-5.13, as amended by P.A. 86-0896, effective January 1, 1990).

Section 141.100 AGENCY NOTES

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- a) Explanation of drug restrictions

- 1) Group Care and Basic Health Restricted - The drug is available to all recipient categories except recipients with basic health coverage (i.e., recipients of general assistance, or Aid To The Medically Indigent) and individuals residing in a nursing home.
- 2) The nursing home must provide the following listed drugs to resident recipients at no charge to the recipient:

ACETAMINOPHEN DROPS 80MG/0.8ML
 ACETAMINOPHEN DROPS 120MG/2.5ML
 ACETAMINOPHEN ELIXIR/SYRUP 120MG/5ML
 ACETAMINOPHEN TAB/CAP 325MG
 ACETAMINOPHEN TAB/CAP 500MG
 ACETAMINOPHEN TAB/CAP 650MG
 ACETAMINOPHEN TABLET CHEWABLE 80MG
 ACETAMINOPHEN TABLET CHEWABLE 120MG
 ASPIRIN TAB BUFFERED 325MG
 ASPIRIN TAB BUFFERED 600MG
 ASPIRIN TAB EC 300MG

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Section 141.100 AGENCY NOTES (Cont'd)
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ASPIRIN TAB EC 600MG
 ASPIRIN TAB PEDIATRIC
 ASPIRIN TAB 300MG
 ASPIRIN TAB 600MG
 GLUCOLA LIQUID
 MILK OF MAGNESIA LIQUID
 MILD OF MAGNESIA TABLET
 ZINC OXIDE OINTMENT

b) No restrictions - The drug is available to all recipient categories including nursing home residents and recipients of basic health coverage.

c) 1) Group care restricted - The drug is available to all recipients (including basic health recipients) except recipients residing in nursing homes.

2) The nursing home must provide the following listed items to resident recipients at no charge to the recipient:

ACETEST REAGENT TABLETS
 ALBUSTIX STRIPS
 CHEMSTRIP BG STRIPS
 CHEMSTRIP GP
 CHEMSTRIP K PAPERS
 CHEMSTRIP TEST KIT
 CHEMSTRIP UG STRIPS
 CHEMSTRIP UGK STRIPS
 CHEMSTRIP 5
 CLINISTIX STRIP
 CLINITEST (2 DROP)
 CLINITEST ANALYSIS SET
 CLINITEST ANALYSIS SET (2 DROP)
 CLINITEST TABLET
 CLINITEST TABLET FOIL
 COMBISTIX
 DEXTROSTIX REAGENT STRIPS
 DEXTROSTIX REAGENT STRIPS FOIL
 DIASCAN DUAL PAD STRIPS
 DIASTIX STRIPS
 EXACTECH TEST STRIPS
 GLUCOFILM TEST STRIPS
 GLUCOSCAN TEST STRIPS

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Section 141.100 AGENCY NOTES (Cont'd)
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GLUCOSTIX STRIPS
 HEMA-COMBISTIX
 HEMASTIX STRIPS
 HEMATEST TABLET
 KETO-DIASTIX
 KETO-DIASTIX 5
 KETOSTIX STRIPS
 LABSTIX
 LANCET FOR DIABETIC USE, STERILE
 N-URISTIX
 ONE TOUCH TEST STRIPS
 TES-TAPE
 TRACER BG STRIPS
 TRENDSTRIPS
 URISTIX
 VISIDEX II REAGENT STRIPS
 ANY PRODUCT EQUIVALENT TO THOSE ON THE
 ABOVE LIST OR ANY OTHER NONLISTED
 DIABETIC TESTING SUPPLY

d) Group care limited - The drug is available only to recipients residing in nursing homes.

e) Basic health restricted - If no sign appears next to the drug, it is available to all categories of recipients except those receiving only basic health coverage.

f) The drugs referenced in subsection (a) above are identified in the Drug Manual by a single asterisk immediately before the item number. The drugs referenced in subsection (b) above are identified in the Drug Manual by a double asterisk immediately before the item number. The drugs referenced in subsection (c) above are identified in the Drug Manual by a triple asterisk immediately before the item number. The drugs referenced in subsection (d) above are identified in the Drug Manual by the letter "G" immediately before the item number.

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Section 141.200 ANALGESICS/NARCOTIC ANTAGONISTS: ANTIRHEUMATIC
EMERGENCY

Item Number	Drug Name and Strength
** 50002091	DICLOFENAC SODIUM TABLET 25MG
** 50002093	DICLOFENAC SODIUM TABLET 50MG
** 50002095	DICLOFENAC SODIUM TABLET 75MG
** 50006495	DIFLUNISAL TABLET 250MG
** 50006496	DIFLUNISAL TABLET 500MG
** 50001730	FENOPROFEN CAPSULE 200MG
** 50001731	FENOPROFEN CAPSULE 300MG
** 50001732	FENOPROFEN TABLET 600MG
** 50004800	FLURBIPROFEN TABLET 50MG
** 50004802	FLURBIPROFEN TABLET 100MG
** 50002557	IBUPROFEN SUSPENSION 100MG/5ML 120ML
** 50002559	IBUPROFEN SUSPENSION 100MG/5ML 480ML
** 50000590	IBUPROFEN TABLET 300MG
** 50000592	IBUPROFEN TABLET 400MG
** 50000594	IBUPROFEN TABLET 600MG
** 50000597	IBUPROFEN TABLET 800MG
** 50000610	INDOMETHACIN CAPSULE 25MG
** 50000612	INDOMETHACIN CAPSULE 50MG
** 50001733	INDOMETHACIN CAPSULE 75MG SUSTAINED RELEASE
** 50001711	INDOMETHACIN INJECTION 3MG VIAL
** 50000608	INDOMETHACIN SUPPOSITORY 50MG
** 50000617	INDOMETHACIN SUSPENSION 25MG/5ML
** 50004963	KETOPROFEN CAPSULE 25MG
** 50004967	KETOPROFEN CAPSULE 50MG
** 50004969	KETOPROFEN CAPSULE 75MG
** 50004971	KETOPROFEN TABLET 75MG
** 50001734	MECLOFENAMATE SODIUM CAPSULE 50MG
** 50001735	MECLOFENAMATE SODIUM CAPSULE 100MG
** 50001736	MEFENAMIC ACID CAPSULE 250MG
** 50005696	METHOTREXATE TABLET 2.5MG DOSEPACK
00067763	MYOCHRYSLINE INJECTION 10MG/ML 1ML AMP
00067764	MYOCHRYSLINE INJECTION 25MG/ML 1ML AMP
00068762	MYOCHRYSLINE INJECTION 50MG/ML 1ML AMP
00067762	MYOCHRYSLINE INJECTION 50MG/ML 10ML VIAL
** 50001740	NAPROXEN SODIUM TABLET 275MG
** 50001747	NAPROXEN SODIUM TABLET 550MG
** 50001737	NAPROXEN TABLET 250MG
** 50001738	NAPROXEN TABLET 375MG
** 50001739	NAPROXEN TABLET 500MG
** 60008050	NONSTEROIDAL ANTI-INFLAMMATORY-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
00315816	PABALATE TABLET 100's
** 50001741	PIROXICAM CAPSULE 10MG

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Section 141.200 ANALGESICS/NARCOTIC ANTAGONISTS: ANTIRHEUMATIC
EMERGENCY (Cont'd)

Item Number	Drug Name and Strength
** 50001742	PIROXICAM CAPSULE 20MG
** 00074879	RIDAURA CAPSULE 3MG
** 00850460	SOLGANOL INJECTION IN OIL 50MG/ML 10ML VIAL
** 50001743	SULINDAC TABLET 150MG
** 50001744	SULINDAC TABLET 200MG
** 50001746	TOLMETIN SODIUM CAPSULE 400MG
** 50001745	TOLMETIN SODIUM TABLET 200MG
** 50001748	TOLMETIN SODIUM TABLET 600MG
** 00332443	TORADOL INJECTION 15MG/ML 1ML SYRINGE
** 00332434	TORADOL INJECTION 30MG/ML 1ML SYRINGE
** 00332444	TORADOL INJECTION 30MG/ML 2ML SYRINGE

SECTION 141.240 ANALGESICS/NARCOTIC ANTAGONISTS: GOUT
EMERGENCY

Item Number	Drug Name and Strength
** 50002012	ALLOPURINOL TAB/CAP 100MG
** 50002014	ALLOPURINOL TAB/CAP 300MG
50003427	COLCHICINE INJECTION 1MG/2ML AMP
50001430	COLCHICINE TAB/GRANULE 0.5MG (1/120GR)
50001422	COLCHICINE TAB/GRANULE 0.6MG (1/100GR)
50004038	PROBENECID TAB/CAP 500MG
50004040	PROBENECID/COLCHICINE TAB/CAP 500/0.5MG

SECTION 141.280 ANALGESICS/NARCOTIC ANTAGONISTS: MIGRAINE
EMERGENCY

Item Number	Drug Name and Strength
50003016	ERGOTAMINE TARTRATE INHALATION 2.5ML VIAL
50003010	ERGOTAMINE TARTRATE INJ 0.5MG/ML AMP
50003014	ERGOTAMINE TARTRATE SUBLINGUAL TAB 2MG
50003012	ERGOTAMINE TARTRATE TAB 1.0MG
50003000	ERGOTAMINE TARTRATE/CAFFEINE SUPPOSITORY 2/100MG
50003002	ERGOTAMINE TARTRATE/CAFFEINE TAB/CAP 1/100MG

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SECTION 141.320 ANALGESICS/NARCOTIC ANTAGONISTS: NARCOTIC
EMERGENCY ANTAGONISTS

Item Number	Drug Name and Strength
** 50002047	NALOXONE HCL INJECTION 0.4MG/ML 1ML AMP
SECTION 141.360 ANALGESICS/NARCOTIC ANTAGONISTS: NONOPIATE EMERGENCY AGONISTS	
Item Number	Drug Name and Strength
* 50007006	ACETAMINOPHEN DROPS 80MG/0.8ML
* 50008252	ACETAMINOPHEN DROPS-120MG/2.5CC 50CC BTL
* 50007012	ACETAMINOPHEN ELIXIR/SYRUP 120MG/5CC
50000500	ACETAMINOPHEN SUPPOSITORY 120MG
50000501	ACETAMINOPHEN SUPPOSITORY 300MG
50000499	ACETAMINOPHEN SUPPOSITORY 600MG
50007008	ACETAMINOPHEN TAB/CAP 325MG
50007011	ACETAMINOPHEN TAB/CAP 500MG
* 50007014	ACETAMINOPHEN TAB/CAP 650MG
* 50007007	ACETAMINOPHEN TABLET CHEWABLE 80MG
50007010	ACETAMINOPHEN TABLET CHEWABLE 120MG
* 50006420	ACETAMINOPHEN 325MG; BUTALBITAL 50MG; CAFFEINE 40MG CAPSULE
50006425	ACETAMINOPHEN 325MG; BUTALBITAL 50MG; CAFFEINE 40MG TABLET
50008224	ASPIRIN SUPPOSITORY 60MG
50008226	ASPIRIN SUPPOSITORY 120MG
50008228	ASPIRIN SUPPOSITORY 150MG
50008230	ASPIRIN SUPPOSITORY 200MG
50008232	ASPIRIN SUPPOSITORY 300MG
50008234	ASPIRIN SUPPOSITORY 600MG
50008222	ASPIRIN TAB BUFFERED 325MG
50008223	ASPIRIN TAB BUFFERED 600MG
* 50006726	ASPIRIN TAB E C 300MG
* 50006734	ASPIRIN TAB E C 600MG
* 50006740	ASPIRIN TAB E C 975MG
* 50008215	ASPIRIN TAB PEDIATRIC
* 50008206	ASPIRIN TAB 300MG
* 50008208	ASPIRIN TAB 600MG
* 50006745	ASPIRIN TABLET SUSTAINED RELEASE 800MG
50006438	ASPIRIN 325MG; BUTALBITAL 50MG; CAFFEINE 40MG CAPSULE
50006441	ASPIRIN 325MG; BUTALBITAL 50MG; CAFFEINE 40MG TABLET
50003700	MAGNESIUM SALICYLATE TAB/CAP 545MG

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SECTION 141.360 ANALGESICS/NARCOTIC ANTAGONISTS: NONOPIATE
EMERGENCY AGONISTS (Cont'd)

Item Number	Drug Name and Strength
50003701	MAGNESIUM SALICYLATE TAB/CAP 600MG
50002004	MAGNESIUM SALICYLATE TAB/CAP 650MG
** 40002065	SALSALATE CAPSULE 500MG
** 40002067	SALSALATE TABLET 500MG
** 40002069	SALSALATE TABLET 750MG
** 00340520	TRILISATE LIQUID
** 00340500	TRILISATE TABLET 500MG
** 00340505	TRILISATE TABLET 750MG
** 00340510	TRILISATE TABLET 1000MG
SECTION 141.400 ANALGESICS/NARCOTIC ANTAGONISTS: OPIATE EMERGENCY AGONISTS	
Item Number	Drug Name and Strength
50006005	ACETAMINOPHEN 120MG/5ML; CODEINE PHOSPHATE 12MG/5ML ELIX/SUSP
50006001	ACETAMINOPHEN 325MG; CODEINE PHOSPHATE 7.5MG CAP/TAB
50006002	ACETAMINOPHEN 325MG; CODEINE PHOSPHATE 15.0MG CAP/TAB
50006003	ACETAMINOPHEN 325MG; CODEINE PHOSPHATE 30.0MG CAP/TAB
50006004	ACETAMINOPHEN 325MG; CODEINE PHOSPHATE 60.0MG CAP/TAB
50005002	ASPIRIN 325MG; CODEINE PHOSPHATE 15MG CAP/TAB
50005003	ASPIRIN 325MG; CODEINE PHOSPHATE 30MG CAP/TAB
50005004	ASPIRIN 325MG; CODEINE PHOSPHATE 60MG CAP/TAB
50000046	ASPIRIN 325MG; OXYCODONE HCL 2.25MG; OXYCODONE TEREPHTHALATE 0.19 MG TAB
50000048	ASPIRIN 325MG; OXYCODONE HCL 4.5 MG; OXYCODONE TEREPHTHALATE 0.38MG TAB
50001376	CODEINE PHOSPHATE/SULFATE TAB/HT 15MG
50001384	CODEINE PHOSPHATE/SULFATE TAB/HT 30MG
50001392	CODEINE PHOSPHATE/SULFATE TAB/HT 60MG
50003058	HYDROMORPHONE TABLET 1MG
50003060	HYDROMORPHONE TABLET 2MG
50003062	HYDROMORPHONE TABLET 3MG
50003064	HYDROMORPHONE TABLET 4MG
00041910	LEVO-DROMORAN INJECTION 2MG/ML 1ML AMP
00041911	LEVO-DROMORAN INJECTION 2MG/ML-10ML VIAL
00040044	LEVO-DROMORAN TABLET 2MG

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SECTION 141.400 ANALGESICS/NARCOTIC ANTAGONISTS: OPIATE
EMERGENCY AGONISTS (Cont'd)

Item Number	Drug Name and Strength
50002717	MORPHINE SULFATE ORAL SOLUTION 100MG/5ML
50003875	MORPHINE SULFATE TABLET 10MG
50003883	MORPHINE SULFATE TABLET 15MG
50003885	MORPHINE SULFATE TABLET 30MG
50002071	OXYCODONE HCL ORAL SOLUTION 5MG/5ML
50002073	OXYCODONE HCL TABLET 5MG
50004316	PAREGORIC LIQUID

SECTION 141.440 ANTI-ALCOHOL
EMERGENCY

Item Number	Drug Name and Strength
50005690	DISULFIRAM 250MG TAB/CAP
50005691	DISULFIRAM 500MG TAB/CAP

SECTION 141.480 ANTICONVULSANTS
EMERGENCY

Item Number	Drug Name and Strength
** 50005149	CARBAMAZEPINE SUSPENSION 100MG/5ML
** 50002141	CARBAMAZEPINE TABLET CHEWABLE 100MG
** 50002145	CARBAMAZEPINE TABLET 200MG
** 00710537	CELONTIN CAPSULE 150MG
** 00710525	CELONTIN CAPSULE 300MG
** 00746114	DEPAKOTE CAPSULE SPRINKLE 125MG
** 00746212	DEPAKOTE ENTERIC COATED TABLET 125MG
** 00746214	DEPAKOTE ENTERIC COATED TABLET 250MG
** 00746215	DEPAKOTE ENTERIC COATED TABLET 500MG
** 50000701	DIAZEPAM INJECTION 5MG/ML 2ML AMP
** 50000703	DIAZEPAM INJECTION 5MG/ML 10ML VIAL
** 50000705	DIAZEPAM INJECTION 5MG/ML 10ML VIAL
** 00040061	KLONOPIN TABLET 0.5MG
** 00040062	KLONOPIN TABLET 1.0MG
** 00040063	KLONOPIN TABLET 2.0MG
** 00780052	MESANTOIN TABLET 100MG
** 50004649	PHENOBARBITAL DROP 16MG/ML
** 50004650	PHENOBARBITAL ELIXIR 20MG/5ML
** 50004618	PHENOBARBITAL TABLET 15MG
** 50004626	PHENOBARBITAL TABLET 30MG

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SECTION 141.400 ANALGESICS/NARCOTIC ANTAGONISTS: OPIATE
EMERGENCY AGONISTS (Cont'd)

Item Number	Drug Name and Strength
50003493	MEPERIDINE HCL INJECTION 25MG AMP
50003492	MEPERIDINE HCL INJECTION 25MG SYRINGE
50003494	MEPERIDINE HCL INJECTION 50MG AMP
50003495	MEPERIDINE HCL INJECTION 50MG SYRINGE
50003499	MEPERIDINE HCL INJECTION 50MG/ML 30ML VIAL
50003496	MEPERIDINE HCL INJECTION 75MG AMP
50003500	MEPERIDINE HCL INJECTION 75MG SYRINGE
50004850	MEPERIDINE HCL INJECTION-100MG AMP (1ML)
50003497	MEPERIDINE HCL INJECTION-100MG AMP (2ML)
50004851	MEPERIDINE HCL INJECTION-100MG SYRINGE
50004852	MEPERIDINE HCL INJECTION-100MG/ML 20ML VIAL
50003061	METHADONE HCL INJECTION 10MG/ML 1ML
50003063	METHADONE HCL INJECTION 10MG/ML 20ML
50003065	METHADONE HCL ORAL SOLUTION 5MG/5ML
50003075	METHADONE HCL ORAL SOLUTION 10MG/ML 30ML
50003067	METHADONE HCL ORAL SOLUTION 10MG/5ML
50003069	METHADONE HCL TABLET 5MG
50003071	METHADONE HCL TABLET 10MG
50003881	MORPHINE SULFATE TABLET 15MG CONTROLLED RELEASE
50003899	MORPHINE SULFATE CONTROLLED RELEASE TABLET 30MG
50003889	MORPHINE SULFATE CONTROLLED RELEASE TABLET 60MG
50003887	MORPHINE SULFATE TABLET 100MG CONTROLLED RELEASE
50003354	MORPHINE SULFATE INJECTION 2MG/ML 1 ML SYRINGE
50003352	MORPHINE SULFATE INJECTION 4MG/ML 1 ML SYRINGE
50003523	MORPHINE SULFATE INJECTION 8MG/ML 1 ML AMP
50004858	MORPHINE SULFATE INJECTION 8MG/ML 1 ML SYRINGE
50003524	MORPHINE SULFATE INJECTION 10MG/ML 1 ML AMP
50004859	MORPHINE SULFATE INJECTION 10MG/ML 1 ML SYRINGE
50003525	MORPHINE SULFATE INJECTION 15MG/ML 1 ML AMP
50004860	MORPHINE SULFATE INJECTION 15MG/ML 1 ML SYRINGE
50004861	MORPHINE SULFATE INJECTION 15MG/ML 20ML
50007016	MORPHINE SULFATE ORAL SOLUTION 10MG/5ML 120ML
50002006	MORPHINE SULFATE ORAL SOLUTION 10MG/5ML 500ML
50005590	MORPHINE SULFATE ORAL SOLUTION 20MG/ML 30ML
50005592	MORPHINE SULFATE ORAL SOLUTION 20MG/ML 120ML
50002016	MORPHINE SULFATE ORAL SOLUTION 20MG/5ML
50007018	MORPHINE SULFATE ORAL SOLUTION 20MG/5ML 120ML

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SECTION 141.480 ANTICONVULSANTS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50004634	PHENOBARBITAL TABLET 60MG
** 50004642	PHENOBARBITAL TABLET 100MG
** 50000098	PHENYTOIN SODIUM INJECTION 100MG/2ML
** 50040099	PHENYTOIN SODIUM INJECTION 250MG/5ML
** 50002372	PHENYTOIN SODIUM EXTENDED CAPSULE 30MG
** 50002380	PHENYTOIN SODIUM EXTENDED CAPSULE 100MG
** 50002401	PHENYTOIN SODIUM PROMPT CAPSULE 100MG
** 50002381	PHENYTOIN SUSPENSION 30MG/5ML
** 50002382	PHENYTOIN SUSPENSION 125MG/5ML
** 50002364	PHENYTOIN TABLET CHEWABLE 50MG
** 50004036	PRIMIDONE SUSPENSION 250MG/5ML
** 50004032	PRIMIDONE TABLET 50MG
** 50004034	PRIMIDONE TABLET 250MG
** 50002180	VALPROATE SODIUM SYRUP 250MG/5ML
** 50002182	VALPROATE ACID CAPSULE 250MG
** 00710237	ZARONTIN CAPSULE 250MG
** 00711418	ZARONTIN SYRUP 250MG/5ML

SECTION 141.520

ANTIDOTES

EMERGENCY

Item Number	Drug Name and Strength
00890510	CALCIUM DISODIUM VERSENATE 20MG/ML 5ML
00833801	DESFERAL MESYLATE INJECTION 500MG/5ML VIAL
50002978	DISODIUM EDETATE INJ 3GM AMP
** 00153560	MESNEX INJECTION 100MG/ML 2ML AMP
** 00153561	MESNEX INJECTION 100MG/ML 4ML AMP
** 00153562	MESNEX INJECTION 100MG/ML 10ML AMP
00460376	PROTOPAM CHLORIDE TABLET 500MG
00460374	PROTOPAM INJECTION 1GM/20ML VIAL
** 50006515	SODIUM POLYSTYRENE SULFONATE POWDER
** 50006517	SODIUM POLYSTYRENE SULFONATE SUSPENSION 15GM/60ML 60ML
** 50006519	SODIUM POLYSTYRENE SULFONATE SUSPENSION 15GM/60ML 500ML

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SECTION 141.560
EMERGENCY

Item Number	Drug Name and Strength
** 00030450	CAPOTEN TABLET 12.5MG
** 00030452	CAPOTEN TABLET 25MG
** 00030562	CAPOTEN TABLET 50MG
** 00030485	CAPOTEN TABLET 100MG
** 00030338	CAPOZIDE TABLET 25/15
** 00030349	CAPOZIDE TABLET 25/25
** 00030384	CAPOZIDE TABLET 50/15
** 00030390	CAPOZIDE TABLET 50/25
** 05970031	CATAPRES-TTS-1 PATCHES
** 05970032	CATAPRES-TTS-2 PATCHES
** 05970033	CATAPRES-TTS-3 PATCHES
** 50000941	CLONIDINE HCL TABLET 0.1MG
** 50000943	CLONIDINE HCL TABLET 0.2MG
** 50000945	CLONIDINE HCL TABLET 0.3MG
** 00030283	CORZIDE TABLET 40MG; 5MG
** 00030284	CORZIDE TABLET 80MG; 5MG
** 00060690	DEMSEER CAPSULE 250MG
** 00830047	ESIMIL TABLET
** 50001614	GUANETHIDINE MONOSULFATE TABLET 10MG
** 50001616	GUANETHIDINE MONOSULFATE TABLET 25MG
** 50005686	HYDRALAZINE HCL INJECTION 20MG/ML AMP
** 50003074	HYDRALAZINE HCL TABLET 10MG
** 50003076	HYDRALAZINE HCL TABLET 25MG
** 50003078	HYDRALAZINE HCL TABLET 50MG
** 50003080	HYDRALAZINE HCL TABLET 100MG
** 50003066	HYDRALAZINE HCL 25MG; HYDROCHLOROTHIAZIDE 15MG TABLET
** 50003068	HYDRALAZINE HCL 25MG; HYDROCHLOROTHIAZIDE 25MG CAPSULE
** 50003070	HYDRALAZINE HCL 50MG; HYDROCHLOROTHIAZIDE 50MG CAPSULE
** 50003072	HYDRALAZINE HCL 100MG; HYDROCHLOROTHIAZIDE 50MG CAPSULE
** 50002981	HYDROCHLOROTHIAZIDE 15MG; METHYLDOPA 250MG TABLET
** 50002341	HYDROCHLOROTHIAZIDE 25MG; LABETALOL HCL 100MG TABLET
** 50002343	HYDROCHLOROTHIAZIDE 25MG; LABETALOL HCL 200MG TABLET
** 50002345	HYDROCHLOROTHIAZIDE 25MG; LABETALOL HCL 300MG TABLET
** 50002983	HYDROCHLOROTHIAZIDE 25MG; METHYLDOPA 250MG TABLET

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SECTION 141.560
EMERGENCY

ANTIHYPERTENSIVES (Cont'd)

Item Number	Drug Name and Strength
** 50002403	HYDROCHLOROTHIAZIDE 25MG;
** 50002405	METOPROLOL TARTRATE 50MG TABLET
** 50005520	HYDROCHLOROTHIAZIDE 25MG;
** 50005522	METOPROLOL TARTRATE 100MG TABLET
** 50003090	HYDROCHLOROTHIAZIDE 25MG; PROPRANOLOL HCL 40MG TABLET
** 50003094	HYDROCHLOROTHIAZIDE 25MG; PROPRANOLOL HCL 80MG TABLET
** 50002985	HYDROCHLOROTHIAZIDE 25MG; RESERPINE 0.1MG TABLET
** 50002987	HYDROCHLOROTHIAZIDE 25MG; RESERPINE 0.125MG TABLET
** 50002407	HYDROCHLOROTHIAZIDE 50MG; METOPROLOL TARTRATE 100MG TABLET
** 50004021	HYDROCHLOROTHIAZIDE 50MG; PROPRANOLOL HCL 80MG LA CAPSULE
** 50004023	HYDROCHLOROTHIAZIDE 50MG; PROPRANOLOL HCL 120MG LA CAPSULE
** 50004025	HYDROCHLOROTHIAZIDE 50MG; PROPRANOLOL HCL 160MG LA CAPSULE
** 50003092	HYDROCHLOROTHIAZIDE 50MG; RESERPINE 0.1MG TABLET
** 50003096	HYDROCHLOROTHIAZIDE 50MG; RESERPINE 0.125MG TABLET
** 00180787	HYLOREL TABLET 10MG
** 00180788	HYLOREL TABLET 25MG
** 00743322	HYTRIN TABLET 1MG
** 00743323	HYTRIN TABLET 2MG
** 00743324	HYTRIN TABLET 5MG
** 00743325	HYTRIN TABLET 10MG
** 00060052	INVERSINE TABLET 2.5MG
** 50001825	LISINOPRIL TABLET 5MG
** 50001827	LISINOPRIL TABLET 10MG
** 50001829	LISINOPRIL TABLET 20MG
** 50001831	LISINOPRIL TABLET 40MG
** 00750082	LOZOL TABLET 2.5MG
** 50000712	METHYLDOPA ORAL SUSPENSION 250MG/5ML
** 50000714	METHYLDOPA TABLET 125MG
** 50000716	METHYLDOPA TABLET 250MG

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SECTION 141.560
EMERGENCY

ANTIHYPERTENSIVES (Cont'd)

Item Number	Drug Name and Strength
** 50000718	METHYLDOPA TABLET 500MG
** 50000710	METHYLDOPATE HCL INJECTION 250MG/5ML
** 00694300	MINIZIDE CAPSULE 1.0MG/0.5MG
** 00694320	MINIZIDE CAPSULE 2.0MG/0.5MG
** 00694360	MINIZIDE CAPSULE 5.0MG/0.5MG
** 50002096	MINOXIDIL TABLET 2.5MG
** 50002098	MINOXIDIL TABLET 10MG
** 50002751	PRazosin HCL CAPSULE 1MG
** 50002753	PRazosin HCL CAPSULE 2MG
** 50002755	PRazosin HCL CAPSULE 5MG
** 50005233	RESERPINE TABLET 0.1MG
** 50005231	RESERPINE TABLET 0.25MG
** 00318901	TENEX TABLET 1MG
** 00318903	TENEX TABLET 2MG
** 00380115	TENORETIC 50 TABLET
** 00380117	TENORETIC 100 TABLET
** 00060067	TIMOLIDE TABLET 10/25
** 00060720	VASERETIC TABLET 1.25MG/ML 2ML VIAL
** 00063508	VASOTEC INJECTION 1.25MG/ML 2ML VIAL
** 00060014	VASOTEC TABLET 2.5MG
** 00060712	VASOTEC TABLET 5MG
** 00060713	VASOTEC TABLET 10MG
** 00060714	VASOTEC TABLET 20MG
** 00080073	WYTENSIN TABLET 4MG
** 00080074	WYTENSIN TABLET 8MG
** 00080092	WYTENSIN TABLET 16MG

SECTION 141.600
EMERGENCY

ANTIMICROBIAL: AMINOGLYCOSIDES

Item Number	Drug Name and Strength
** 00153015	AMIKIN INJECTION 100MG/2ML VIAL
** 00154020	AMIKIN INJECTION 500MG/2ML SYRINGE
** 00153020	AMIKIN INJECTION 500MG/2ML VIAL
** 00153023	AMIKIN INJECTION-1000MG/4ML VIAL
** 60008002	AMINOGLYCOSIDE-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008001	AMINOGLYCOSIDE-ORAL-NOT OTHERWISE LISTED - IF LAW REQUIRES RX
** 50002063	GENTAMICIN SULF INJ 20MG/2ML VIAL
** 50002064	GENTAMICIN SULF INJ 40MG/ML 20ML VIAL

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SECTION 141.600
EMERGENCY

ANTIMICROBIAL: AMINOGLYCOSIDES (Cont'd)

Item Number	Drug Name and Strength
** 50002065	GENTAMICIN SULF INJ 60MG/1.5ML SYRINGE
** 50002066	GENTAMICIN SULF INJ 80MG/2.0ML SYRINGE
** 50002067	GENTAMICIN SULF INJ 80MG/2ML VIAL
** 50002068	GENTAMICIN SULF INJ-100MG/2.5ML VIAL
** 00710529	HUMATIN CAPSULE 250MG
** 00711259	HUMATIN PED SYRUP 125MG/5CC
** 50000660	KANAMYCIN SULFATE CAPSULE 500MG
** 50000664	KANAMYCIN SULFATE INJECTION 1 GM BASE/2 ML
** 50000662	KANAMYCIN SULFATE INJECTION 500MG BASE/2ML
** 50000666	KANAMYCIN SULFATE INJECTION 75MG BASE/2ML
** 00020509	NEBCIN INJECTION 60MG/1.5ML SYRINGE
** 00020503	NEBCIN INJECTION 80MG/2ML SYRINGE
** 00021499	NEBCIN INJECTION 80MG/2ML VIAL
** 00020501	NEBCIN PEDIATRIC INJECTION 20MG/2ML VIAL
** 50001101	NEOMYCIN SULFATE INJECTION 500MG VIAL IM
** 50001102	NETILMYCIN SULFATE INJECTION 10MG/ML 2ML AMP
** 50001105	NETILMYCIN SULFATE INJECTION 100MG/ML 1.5ML SYRINGE
** 50001104	NETILMYCIN SULFATE INJECTION 100MG/ML 1.5ML VIAL
** 50001103	NETILMYCIN SULFATE INJECTION 25MG/ML 2ML VIAL
** 50005605	STREPTOMYCIN INJECTION 0.5GM/1ML SYRINGE
** 50005608	STREPTOMYCIN INJECTION 1GM POWDER VIAL
** 50005655	STREPTOMYCIN INJECTION 1GM/2.5ML VIAL
** 50005606	STREPTOMYCIN INJECTION 1GM/2ML SYRINGE
** 50005607	STREPTOMYCIN INJECTION 1GM/2ML VIAL
** 50005609	STREPTOMYCIN INJECTION 5GM POWDER
** 50005610	STREPTOMYCIN INJECTION 5GM/10ML VIAL
** 50003498	STREPTOMYCIN INJECTION 5GM/12.5ML VIAL

SECTION 141.640
EMERGENCY

ANTIMICROBIAL: ANTIFUNGALS

Item Number	Drug Name and Strength
** 50001180	AMPHOTERICIN B INJECTION 50MG/VIAL
** 00040077	ANCOBON CAP 250MG
** 00040079	ANCOBON CAP 500MG
** 60008006	ANTIFUNGAL-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008005	ANTIFUNGAL-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX

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SECTION 141.640
EMERGENCY

ANTIMICROBIAL: ANTIFUNGALS (Cont'd)

Item Number	Drug Name and Strength
** 50008104	CLOTRIMAZOLE TROCHE 10MG
** 50005530	FLUCONAZOLE TABLET 50MG
** 50005532	FLUCONAZOLE TABLET 100MG
** 50005534	FLUCONAZOLE TABLET 200MG
** 50005536	FLUCONAZOLE 2 MG/ML INJECTION IN SODIUM CHLORIDE 100ML (GLASS)
** 50005537	FLUCONAZOLE 2MG/ML INJECTION IN SODIUM CHLORIDE 200ML (GLASS)
** 50005538	FLUCONAZOLE 2MG/ML INJECTION IN SODIUM CHLORIDE 100ML (PLASTIC)
** 50005539	FLUCONAZOLE 2MG/ML INJECTION IN SODIUM CHLORIDE 200ML (PLASTIC)
** 50002942	GRISEOFULVIN MICROCY SUSP 125MG/5CC
** 50002925	GRISEOFULVIN MICROCY TAB/CAP 125MG
** 50002933	GRISEOFULVIN MICROCY TAB/CAP 250MG
** 50002941	GRISEOFULVIN MICROCY TAB/CAP 500MG
** 50002945	GRISEOFULVIN ULTRAMICROCRYSTALLINE TABLET 125MG
** 50002947	GRISEOFULVIN ULTRAMICROCRYSTALLINE TABLET 165MG
** 50002946	GRISEOFULVIN ULTRAMICROCRYSTALLINE TABLET 250MG
** 50002949	GRISEOFULVIN ULTRAMICROCRYSTALLINE TABLET 330MG
** 50001181	MICONAZOLE INJECTION 10MG/ML 20ML AMP
** 05045822	NIZORAL TABLET 200MG
** 50002302	NYSTATIN ORAL POWDER 150 MILLION UNITS
** 50004000	NYSTATIN ORAL SUSPENSION 100,000U/ML
** 50007103	NYSTATIN ORAL SUSPENSION 100,000U/ML
** 50003998	NYSTATIN ORAL TAB/CAP 500,000U
** 50007004	NYSTATIN PASTILLE 200,000U

SECTION 141.680
EMERGENCY

ANTIMICROBIAL: ANTITUBERCULARS

Item Number	Drug Name and Strength
** 50001190	AMINOSALICYLATE SODIUM POWDER 480GM
** 50001192	AMINOSALICYLATE SODIUM TABLET 1GM
** 50001191	AMINOSALICYLATE SODIUM TABLET 500MG
** 50000502	AMINOSALICYLIC ACID EC TAB 500MG
** 60008008	ANTITUBERCULAR-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX

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SECTION 141.680
EMERGENCY

ANTIMICROBIAL: ANTITUBERCULARS (Cont'd)

Item Number	Drug Name and Strength
** 60008007	ANTITUBERCULAR-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 00021485	CAPASTAT INJECTION 1GM/5ML AMP
** 50001193	ISONIAZID INJECTION 100MG/ML 10ML VIAL
** 50003271	ISONIAZID SYRUP 50MG/5ML
** 50003273	ISONIAZID TABLET 50MG
** 50003274	ISONIAZID TABLET 100MG
** 50003275	ISONIAZID TABLET 300MG
** 50001194	ISONIAZID 150MG; RIFAMPIN 300MG CAPSULE
** 00055015	MYAMBUTOL TABLET 100MG
** 00055084	MYAMBUTOL TABLET 400MG
** 50001197	PIRAZINAMIDE TABLET 500MG
** 50005225	RIFAMPIN CAP/TAB 300MG
** 50001198	RIFAMPIN CAPSULE 150MG
** 00020604	SEROMYCIN CAPSULE 250MG
** 00824130	TRECATOR-SC TABLET 250MG

SECTION 141.720
EMERGENCY

ANTIMICROBIAL: CEPHALOSPORINS

Item Number	Drug Name and Strength
** 50001210	CEFACLOL CAPSULE 250MG
** 50001211	CEFACLOL CAPSULE 500MG
** 50001212	CEFACLOL ORAL SUSPENSION 125MG/5ML 75ML
** 50001213	CEFACLOL ORAL SUSPENSION 125MG/5ML 150ML
** 50001203	CEFACLOL ORAL SUSPENSION 187MG/5ML 50ML
** 50001205	CEFACLOL ORAL SUSPENSION 187MG/5ML 100ML
** 50001214	CEFACLOL ORAL SUSPENSION 250MG/5ML 75ML
** 50001215	CEFACLOL ORAL SUSPENSION 250MG/5ML 150ML
** 50001207	CEFACLOL ORAL SUSPENSION 375MG/5ML 50ML
** 50001209	CEFACLOL ORAL SUSPENSION 375MG/5ML 100ML
** 50003419	CEFADROXIL CAPSULE 500MG
** 50003390	CEFADROXIL ORAL SUSPENSION 125MG/5ML 50ML
** 50003391	CEFADROXIL ORAL SUSPENSION 125MG/5ML 100ML
** 50003392	CEFADROXIL ORAL SUSPENSION 250MG/5ML 50ML
** 50003393	CEFADROXIL ORAL SUSPENSION 250MG/5ML 100ML
** 50001222	CEFADROXIL ORAL SUSPENSION 500MG/5ML 50ML
** 50001225	CEFADROXIL ORAL SUSPENSION 500MG/5ML 100ML
** 50003417	CEFADROXIL TABLET 1GM
** 50001240	CEFAMANDOLE NAFATE INJECTION 500MG/10ML VIAL
** 50001241	CEFAMANDOLE NAFATE INJECTION 1GM/10ML VIAL

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SECTION 141.720
EMERGENCY

ANTIMICROBIAL: CEPHALOSPORINS (Cont'd)

Item Number	Drug Name and Strength
** 50003210	CEFAMANDOLE NAFATE INJECTION 1GM/100ML PB VIAL
** 50001242	CEFAMANDOLE NAFATE INJECTION 2GM/100ML VIAL
** 50003212	CEFAMANDOLE NAFATE INJECTION 2GM/100ML PB VIAL
** 50008054	CEFAZOLIN SODIUM INJECTION 250MG 10ML VIAL
** 50008055	CEFAZOLIN SODIUM INJECTION 500MG 10ML VIAL
** 50008059	CEFAZOLIN SODIUM INJECTION 500MG 100ML PB VIAL
** 50008056	CEFAZOLIN SODIUM INJECTION 1GM 10ML VIAL
** 50008060	CEFAZOLIN SODIUM INJECTION 1GM 100ML PB VIAL
** 50008057	CEFAZOLIN SODIUM INJECTION 5GM 100ML VIAL
** 50008058	CEFAZOLIN SODIUM INJECTION 10GM 100ML VIAL
** 50003218	CEFAZOLIN SODIUM; DEXTROSE INJECTION 1GM/50ML; 2.5GM/50ML (5%)
** 50003220	CEFAZOLIN SODIUM; SODIUM CHLORIDE INJECTION 1GM/50ML; 450MG/50ML (0.9%)
** 50001183	CEFEXIME TABLET 200MG
** 50001185	CEFEXIME TABLET 400MG
** 50001187	CEFEXIME ORAL SUSPENSION 100MG/5ML 50ML
** 50001189	CEFEXIME ORAL SUSPENSION 100MG/5ML 100ML
** 50004075	CEFMETAZOLE SODIUM INJECTION 1GM VIAL
** 50004077	CEFMETAZOLE SODIUM INJECTION 2GM VIAL
** 50004740	CEFONICID SODIUM INJECTION 500MG/10ML VIAL
** 50004742	CEFONICID SODIUM INJECTION 1GM/10ML VIAL
** 50004744	CEFONICID SODIUM INJECTION 1GM/100ML PB VIAL
** 50004746	CEFONICID SODIUM INJECTION 10GM/100ML VIAL
** 50001243	CEFOPERAZONE SODIUM INJECTION 1GM VIAL
** 50001244	CEFOPERAZONE SODIUM INJECTION 2GM VIAL
** 50004015	CEFORANIDE INJECTION 500MG PB VIAL
** 50004011	CEFORANIDE INJECTION 500MG VIAL
** 50004017	CEFORANIDE INJECTION 1GM PB VIAL
** 50004013	CEFORANIDE INJECTION 1GM VIAL
** 50001906	CEFORANIDE INJECTION 10GM VIAL
** 50001245	CEFOTAXIME SODIUM INJECTION 500MG VIAL
** 50003222	CEFOTAXIME SODIUM INJECTION 1GM INFUSION VIAL
** 50001246	CEFOTAXIME SODIUM INJECTION 1GM VIAL
** 50003224	CEFOTAXIME SODIUM INJECTION 2GM INFUSION VIAL
** 50001247	CEFOTAXIME SODIUM INJECTION 2GM VIAL
** 50002391	CEFOTETAN DISODIUM INJECTION 1GM/10ML
** 50002393	CEFOTETAN DISODIUM INJECTION 1GM/100ML
** 50002395	CEFOTETAN DISODIUM INJECTION 2GM/20ML
** 50002397	CEFOTETAN DISODIUM INJECTION 2GM/100ML
** 50001248	CEFOXITIN SODIUM INJECTION 1GM/10ML VIAL
** 50003230	CEFOXITIN SODIUM INJECTION 1GM/100ML INFUSION VIAL
** 50001249	CEFOXITIN SODIUM INJECTION 2GM/20ML VIAL

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ANTIMICROBIAL: CEPHALOSPORINS (Cont'd)

Item Number	Drug Name and Strength
** 50003232	CEFOXITIN SODIUM INJECTION 2GM/100ML INFUSION VIAL
** 50002361	CEFTAZIDIME INJECTION 500MG VIAL
** 50002363	CEFTAZIDIME INJECTION 1GM PB VIAL
** 50002365	CEFTAZIDIME INJECTION 1GM VIAL
** 50002367	CEFTAZIDIME INJECTION 2GM PB VIAL
** 50002369	CEFTAZIDIME INJECTION 2GM VIAL
** 50002371	CEFTAZIDIME INJECTION 6GM VIAL
** 50003238	CEFTIZOMINE SODIUM INJECTION 1GM PB VIAL
** 50004825	CEFTIZOXIME SODIUM INJECTION 1GM VIAL
** 50003240	CEFTIZOXIME SODIUM INJECTION 2GM PB VIAL
** 50004826	CEFTIZOXIME SODIUM INJECTION 2GM VIAL
** 50003244	CEFTIZOXIME SODIUM; DEXTROSE INJECTION 1GM/50ML; 2.5GM/50ML (5%) BAG
** 50003248	CEFTIZOXIME SODIUM; DEXTROSE INJECTION 2GM/50ML; 2.5GM/50ML (5%) BAG
** 50003260	CEFTRIAXONE SODIUM INJECTION 250MG VIAL
** 50003262	CEFTRIAXONE SODIUM INJECTION 500MG VIAL
** 50003264	CEFTRIAXONE SODIUM INJECTION 1GM PB VIAL
** 50003250	CEFTRIAXONE SODIUM INJECTION 1GM VIAL
** 50003252	CEFTRIAXONE SODIUM INJECTION 2GM PB VIAL
** 50003254	CEFTRIAXONE SODIUM INJECTION 2GM VIAL
** 50003256	CEFTRIAXONE SODIUM INJECTION 10GM VIAL
** 50004841	CEFUROXIME AXETIL TABLET 125MG
** 50004843	CEFUROXIME AXETIL TABLET 250MG
** 50004845	CEFUROXIME AXETIL TABLET 500MG
** 50008764	CEFUROXIME SODIUM INJECTION 750MG INFUSION VIAL
** 50004830	CEFUROXIME SODIUM INJECTION 750MG VIAL
** 50003290	CEFUROXIME SODIUM INJECTION 1.5GM INFUSION VIAL
** 50004832	CEFUROXIME SODIUM INJECTION 1.5GM VIAL
** 50004834	CEFUROXIME SODIUM INJECTION 7.5GM/100ML
** 50001251	CEPHELEXIN CAPSULE 250MG
** 50001252	CEPHELEXIN CAPSULE 500MG
** 50001231	CEPHELEXIN HCL TABLET 250MG
** 50001233	CEPHELEXIN HCL TABLET 500MG
** 50001258	CEPHELEXIN ORAL SUSPENSION 100MG/ML 100ML
** 50001253	CEPHELEXIN ORAL SUSPENSION 125MG/5ML 60ML BOTTLE
** 50001254	CEPHELEXIN ORAL SUSPENSION 125MG/5ML 200
** 50001255	100ML BOTTLE CEPHELEXIN ORAL SUSPENSION 125MG/5ML 200ML BOTTLE

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EMERGENCY

ANTIMICROBIAL: CEPHALOSPORINS (Cont'd)

Item Number	Drug Name and Strength
** 50001256	CEPHELEXIN ORAL SUSPENSION 250MG/5ML 100ML BOTTLE
** 50001257	CEPHELEXIN ORAL SUSPENSION 250MG/5ML 200ML BOTTLE
** 50001260	CEPHELEXIN TABLET 250MG
** 50001263	CEPHELEXIN TABLET 500MG
** 50001259	CEPHELEXIN TABLET 1GM
** 60008010	CEPHALOSPORIN-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008009	CEPHALOSPORIN-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 50001273	CEPHALOTHIN SODIUM INJECTION 1GM/10ML VIAL
** 50004103	CEPHALOTHIN SODIUM INJECTION 1GM/100ML VIAL
** 50001274	CEPHALOTHIN SODIUM INJECTION 2GM/100ML VIAL
** 50004105	CEPHALOTHIN SODIUM INJECTION 2GM/100ML VIAL
** 50001275	CEPHALOTHIN SODIUM INJECTION 4GM/50ML VIAL
** 50001276	CEPHALOTHIN SODIUM INJECTION 4GM/50ML 20GM/200ML VIAL
** 50001290	CEPHAPIRIN SODIUM INJECTION 500MG VIAL
** 50004107	CEPHAPIRIN SODIUM INJECTION 1GM PB VIAL
** 50001291	CEPHAPIRIN SODIUM INJECTION 1GM VIAL
** 50004109	CEPHAPIRIN SODIUM INJECTION 2GM PB VIAL
** 50001292	CEPHAPIRIN SODIUM INJECTION 2GM VIAL
** 50001293	CEPHAPIRIN SODIUM INJECTION 4GM PB VIAL
** 50001294	CEPHAPIRIN SODIUM INJECTION 20GM VIAL
** 50001600	CEPHRADINE CAPSULE 250MG
** 50001601	CEPHRADINE CAPSULE 500MG
** 50003756	CEPHRADINE INJECTION 2GM INFUSION VIAL
** 50003757	CEPHRADINE INJECTION 4GM INFUSION VIAL
** 50001605	CEPHRADINE ORAL SUSPENSION 125MG/5ML 100ML BOTTLE
** 50002310	CEPHRADINE ORAL SUSPENSION 125MG/5ML 200ML BOTTLE
** 50001608	CEPHRADINE ORAL SUSPENSION 250MG/5ML 100ML BOTTLE
** 50002311	CEPHRADINE ORAL SUSPENSION 250MG/5ML 200ML BOTTLE
** 50001602	CEPHRADINE TABLET 1GM
** 50003753	CEPHRADINE INJECTION 250MG VIAL
** 50003754	CEPHRADINE INJECTION 500MG VIAL
** 50003755	CEPHRADINE INJECTION 1GM VIAL
** 50001298	MOXALACTAM DISODIUM INJECTION 1GM VIAL
** 50001299	MOXALACTAM DISODIUM INJECTION 2GM VIAL

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.760
EMERGENCY

ANTIMICROBIAL: ERYTHROMYCINS

Item Number	Drug Name and Strength
** 50001201	ERYTHROMYCIN BASE 125MG ENTERIC COATED CAPSULE
** 50001119	ERYTHROMYCIN BASE 250MG ENTERIC COATED CAPSULE
** 50001121	ERYTHROMYCIN BASE 250MG ENTERIC COATED TABLET
** 50001124	ERYTHROMYCIN BASE 250MG FILM COATED TABLET
** 50001122	ERYTHROMYCIN BASE 333MG ENTERIC COATED TABLET
** 50000881	ERYTHROMYCIN BASE 333MG PARTICLE TABLET
** 50001123	ERYTHROMYCIN BASE 500MG ENTERIC COATED TABLET
** 50001125	ERYTHROMYCIN BASE 500MG FILM COATED TABLET
** 50002804	ERYTHROMYCIN BASE 500MG PARTICLE TABLET
** 50002190	ERYTHROMYCIN ESTOLATE CAPSULE 125MG
** 50002191	ERYTHROMYCIN ESTOLATE CAPSULE 250MG
** 50002595	ERYTHROMYCIN ESTOLATE CHEW TAB 125MG
** 50002597	ERYTHROMYCIN ESTOLATE CHEW TAB 250MG
** 50002610	ERYTHROMYCIN ESTOLATE DROP 100MG/ML 10ML
** 50002615	ERYTHROMYCIN ESTOLATE ORAL SUSPENSION LIQUID 125MG/5ML
** 50002617	ERYTHROMYCIN ESTOLATE ORAL SUSPENSION LIQUID 250MG/5ML
** 50001141	ERYTHROMYCIN ESTOLATE ORAL SUSPENSION POWDER 125MG/5ML 150ML
** 50001140	ERYTHROMYCIN ESTOLATE ORAL SUSPENSION POWDER 125MG/5ML 60ML
** 50002192	ERYTHROMYCIN ESTOLATE TABLET 500MG
** 50002596	ERYTHROMYCIN ETHYLSUC CHEW TAB 200MG
** 50003405	ERYTHROMYCIN ETHYLSUC IM INJ 100MG/2ML AMP
** 50003406	ERYTHROMYCIN ETHYLSUC IM INJ 100MG/2ML S
** 50003407	ERYTHROMYCIN ETHYLSUC IM INJ 50MG/ML 10ML
** 50002616	ERYTHROMYCIN ETHYLSUC SUSP/LIQ 200MG/5ML
** 50002620	ERYTHROMYCIN ETHYLSUC SUSP/LIQ 400MG/5ML
** 50002590	ERYTHROMYCIN ETHYLSUC TAB 400MG
** 50002611	ERYTHROMYCIN ETHYLSUC 100MG/2.5ML 30ML
** 50002613	ERYTHROMYCIN ETHYLSUC 100MG/2.5ML 50ML
** 50003408	ERYTHROMYCIN GLUCEPTATE IV INJ 250MG AMP
** 50003409	ERYTHROMYCIN GLUCEPTATE IV INJ 500MG AMP
** 50003410	ERYTHROMYCIN GLUCEPTATE IV INJ 1GM AMP
** 50003411	ERYTHROMYCIN LACTOBIONATE IV INJ 500MG VIAL
** 50003412	ERYTHROMYCIN LACTOBIONATE IV INJ 1GM VIAL
** 50002594	ERYTHROMYCIN STEARATE COATED TAB 125MG
** 50002607	ERYTHROMYCIN STEARATE COATED TAB 250MG
** 50002608	ERYTHROMYCIN STEARATE COATED TAB 500MG
** 60008004	ERYTHROMYCIN-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008003	ERYTHROMYCIN- ORAL- NOT OTHERWISE LISTED-IF LAW REQUIRES RX

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.800
EMERGENCY

ANTIMICROBIAL: MISCELLANEOUS

Item Number	Drug Name and Strength
** 50004923	ACYCLOVIR CAPSULE 200MG
** 50001410	ACYCLOVIR INJECTION 500MG VIAL
** 50001400	ACYCLOVIR INJECTION 1000MG
** 50004900	ACYCLOVIR SUSPENSION 200MG/5ML
** 50000851	AMANTADINE HCL CAPSULE 100MG
** 50000853	AMANTADINE HCL SYRUP 50MG/5ML
** 60008018	ANTIMICROBIAL MISCELLANEOUS-INJECTION-NOT OTHERWISE LISTED-IF REQUIRES RX
** 60008017	ANTIMICROBIAL MISCELLANEOUS-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 50005151	AZTREONAM INJECTION 500MG/15ML VIAL
** 50005153	AZTREONAM INJECTION 500MG/100ML BOTTLE
** 50005155	AZTREONAM INJECTION 1GM/15ML VIAL
** 50005157	AZTREONAM INJECTION 1GM/15ML VIAL
** 50005159	AZTREONAM INJECTION 2GM/15ML VIAL
** 50005161	AZTREONAM INJECTION 2GM/100ML BOTTLE
** 50001411	BACITRACIN INJECTION 10,000 UNITS IM
** 50001412	BACITRACIN INJECTION 50,000 UNITS IM
** 50001128	CHLORAMPHENICOL CAPSULE 250MG
** 50001413	CHLORAMPHENICOL CAPSULE 500MG
** 50001236	CHLORAMPHENICOL PALMITATE ORAL SUSPENSION 150MG/5ML 60ML
** 50000061	CHLORAMPHENICOL SODIUM SUCCINATE INJECTION 1GM VIAL
** 50001414	CINOXACIN CAPSULE 250MG
** 50001415	CINOXACIN CAPSULE 500MG
** 50001793	CIPROFLOXACIN TABLET 250MG
** 50001795	CIPROFLOXACIN TABLET 500MG
** 50001797	CIPROFLOXACIN TABLET 750MG
** 50001416	CLINDAMYCIN HCL CAPSULE 75MG
** 50001417	CLINDAMYCIN HCL CAPSULE 150MG
** 50005804	CLINDAMYCIN HCL CAPSULE 300MG
** 50001418	CLINDAMYCIN PALMITATE GRANULES 75MG/5ML 100ML
** 50001420	CLINDAMYCIN PHOSPHATE INJECTION 300MG/2ML 2ML AMP/VIAL
** 50001421	CLINDAMYCIN PHOSPHATE INJECTION 600MG/4ML 4ML AMP/VIAL
** 50001419	CLINDAMYCIN PHOSPHATE INJECTION 900MG/6ML 6ML AMP/VIAL
** 50001423	COLISTIMETHATE SODIUM INJECTION 150MG VIAL
** 50001424	COLISTIN SULFATE ORAL SUSPENSION 25MG/5ML 60ML
** 50001219	DAPSONE TABLET 25MG
** 50001223	DAPSONE TABLET 100MG

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NOTICE OF EMERGENCY REPEALER

SECTION 141.800
EMERGENCY
ANTIMICROBIAL: MISCELLANEOUS (Cont'd)

Item Number	Drug Name and Strength
** 50002013	ERYTHROMYCIN ETHYLSUCCINATE 200MG/5ML; SULFISOXAZOLE ACETYL 600MG/5ML SUSP 100ML
** 50002015	ERYTHROMYCIN ETHYLSUCCINATE 200MG/5ML; SULFISOXAZOLE ACETYL 600MG/5ML SUSP 150ML
** 50002017	ERYTHROMYCIN ETHYLSUCCINATE 200MG/5ML; SULFISOXAZOLE ACETYL 600MG/5ML SUSP 200ML
** 50001425	FURAZOLIDONE LIQUID 50MG/15ML
** 50001426	FURAZOLIDONE TABLET 100MG
** 5000103	GANCYCLOVIR SODIUM INJECTION 500MG VIAL
** 50001427	HYDROXYSTILBAMIDINE ISOETHIONATE INJECTION 225MG/20ML AMP
** 50002331	IMIPENEM 50MG; CILASTATIN SODIUM 250MG INJECTION INFUSION VIAL
** 50002333	IMIPENEM 250MG; CILASTATIN SODIUM 250MG INJECTION VIAL
** 50002335	IMIPENEM 500MG; CILASTATIN SODIUM 500MG INJECTION INFUSION VIAL
** 50002339	IMIPENEM 500MG; CILASTATIN SODIUM 500MG INJECTION VIAL
** 00280108	LAMPRENE CAPSULE 50MG
** 00280109	LAMPRENE CAPSULE 100MG
** 50001428	LINCOMYCIN CAPSULE 250MG
** 50001429	LINCOMYCIN CAPSULE 500MG
** 50001431	LINCOMYCIN INJECTION 300MG/ML 2ML SYRINGE
** 50001432	LINCOMYCIN INJECTION 300MG/ML 2ML VIAL
** 50001433	LINCOMYCIN INJECTION 300MG/ML 10ML VIAL
** 50001018	METHENAMINE HIPPURATE TABLET 1GM
** 50003780	METHENAMINE MANDELATE GRANULES 0.5GM
** 50003781	METHENAMINE MANDELATE GRANULES 1.0GM
** 50003778	METHENAMINE MANDELATE SUSP 50MG/ML
** 50003779	METHENAMINE MANDELATE SUSP 100MG/ML
** 50003735	METHENAMINE MANDELATE TAB 0.25GM
** 50003743	METHENAMINE MANDELATE TAB 0.50GM
** 50003751	METHENAMINE MANDELATE TAB 1.00GM
** 50001435	METHYLENE BLUE TABLET 65MG
** 50001436	NALIDIXIC ACID ORAL SUSPENSION 250MG/5ML
** 50001437	NALIDIXIC ACID TABLET 250MG
** 50001438	NALIDIXIC ACID TABLET 500MG
** 50001439	NALIDIXIC ACID TABLET 1GM
** 50005526	NEOMYCIN SULFATE EQ 40MG BASE/ML; POLYMYXIN B SULFATE 200,000U/ML 1ML

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NOTICE OF EMERGENCY REPEALER

SECTION 141.800
EMERGENCY
ANTIMICROBIAL: MISCELLANEOUS (Cont'd)

Item Number	Drug Name and Strength
** 50005528	NEOMYCIN SULFATE EQ 40MG BASE/ML; POLYMYXIN B SULFATE 200,000U/ML 20ML
** 50005523	NORFLOXACIN TABLET 400MG
** 50001570	NOVOBIOCIN CAPSULE 250MG
** 50002428	PENTAMIDINE ISETHIONATE FOR INHALATION 300MG VIAL
** 50004951	PENTAMIDINE ISETHIONATE INJECTION 300MG/VIAL
** 50004028	PHENAZOPYRIDINE HCL TABLET 100MG
** 50004030	PHENAZOPYRIDINE HCL TABLET 200MG
** 50001571	POLYMYXIN B SULFATE INJECTION 500,000 UNITS/VIAL
** 50001572	SPECTINOMYCIN INJECTION 2GM VIAL
** 50001573	SPECTINOMYCIN INJECTION 4GM VIAL
** 50001218	SULFAMETHOXAZOLE 200MG/5ML; TRIMETHOPRIM 40MG/5ML SUSPENSION
** 50001220	SULFAMETHOXAZOLE 400MG; TRIMETHOPRIM 80MG TABLET
** 50001221	SULFAMETHOXAZOLE 800MG; TRIMETHOPRIM 160MG TABLET
** 50001217	SULFAMETHOXAZOLE 400MG/5ML; TRIMETHOPRIM 80MG/5ML INJECTION 5ML AMP/VIAL
** 50001574	SULFOXONE SODIUM TABLET ENTERIC COATED 165MG
** 50001224	TRIMETHOPRIM TABLET 100MG
** 50001575	TRIMETHOPRIM TABLET 200MG
** 50006866	TROLEANDOMYCIN CAPSULE 250MG
** 50006874	TROLEANDOMYCIN SUSPENSION 125MG/5ML
** 50000901	VANCOMYCIN HCL CAPSULE 125MG
** 50000903	VANCOMYCIN HCL CAPSULE 250MG
** 50001576	VANCOMYCIN HCL INJECTION 500MG
** 50001579	VANCOMYCIN HCL INJECTION 1GM VIAL
** 50002523	VANCOMYCIN HCL ORAL SOLUTION 1GM/20ML
** 50001577	VANCOMYCIN HCL ORAL SOLUTION 10GM/115ML
** 50001578	VIDARABINE INJECTION 200MG/5ML 10ML VIAL
** 50009000	ZIDOVUDINE CAPSULE 100MG
** 50009005	ZIDOVUDINE INJECTION, 10MG/ML 20ML
** 50009001	ZIDOVUDINE SYRUP 50MG/5ML

SECTION 141.840
EMERGENCY

ANTIMICROBIAL: NITROFURANTOINS

Item Number	Drug Name and Strength
** 50004872	NITROFURANTOIN NA INJECTION 180MG VIAL

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NOTICE OF EMERGENCY REPEALER

SECTION 141.840
EMERGENCY

ANTIMICROBIAL: NITROFURANTOINS (Cont'd)

Item Number	Drug Name and Strength
** 50002860	NITROFURANTOIN SUSPENSION
** 50002844	NITROFURANTOIN TABLET 50MG
** 50002852	NITROFURANTOIN TABLET 100MG
** 50007796	NITROFURANTOIN-MACROCRYSTALS 25MG
** 50007795	NITROFURANTOIN-MACROCRYSTALS 50MG
** 50007797	NITROFURANTOIN-MACROCRYSTALS 100MG

SECTION 141.880
EMERGENCY

ANTIMICROBIAL: PENICILLINS

Drug Name and Strength

Item Number

** 50001625	AMINOCILLIN INJECTION 500MG VIAL
** 50001628	AMINOCILLIN INJECTION 1GM
** 50001045	AMOXICILLIN PEDIATRIC DROPS 50MG/ML 15ML
** 50001046	AMOXICILLIN PEDIATRIC DROPS 50MG/ML 30ML
** 50001037	AMOXICILLIN SUSPENSION 125MG/5CC 80CC
** 50001038	AMOXICILLIN SUSPENSION 125MG/5CC 100CC
** 50001039	AMOXICILLIN SUSPENSION 125MG/5CC 150CC
** 50001041	AMOXICILLIN SUSPENSION 250MG/5CC 80CC
** 50001042	AMOXICILLIN SUSPENSION 250MG/5CC 100CC
** 50001043	AMOXICILLIN SUSPENSION 250MG/5CC 150CC
** 50001035	AMOXICILLIN 250MG
** 50001036	AMOXICILLIN 500MG
** 50001040	AMOXICILLIN-CHEWABLE TABLET 125MG
** 50001044	AMOXICILLIN-CHEWABLE TABLET 250MG
** 50003081	AMOXICILLIN; POTASSIUM CLAVULANATE CHEWABLE TABLET 125MG; 31.25MG
** 50003083	AMOXICILLIN; POTASSIUM CLAVULANATE CHEWABLE TABLET 250MG; 62.5MG
** 50001050	AMOXICILLIN; POTASSIUM CLAVULANATE TABLET 250MG; 125MG
** 50001052	AMOXICILLIN; POTASSIUM CLAVULANATE TABLET 500MG; 125MG
** 50001060	AMOXICILLIN; POTASSIUM CLAVULANATE SUSP 125MG/5ML; 31.25MG/5ML 75MG
** 50001062	AMOXICILLIN; POTASSIUM CLAVULANATE SUSP 125MG/5ML; 31.25MG/5ML 150ML
** 50001064	AMOXICILLIN; POTASSIUM CLAVULANATE SUSP 250MG/5ML; 62.5MG/5ML 75ML
** 50001068	AMOXICILLIN; POTASSIUM CLAVULANATE SUSP 250MG/5ML; 62.5MG/5ML 150ML
** 50006831	AMPICILLIN CAPSULE 250MG

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NOTICE OF EMERGENCY REPEALER

SECTION 141.880
EMERGENCY

ANTIMICROBIAL: PENICILLINS (Cont'd)

Drug Name and Strength

Item Number

** 50006832	AMPICILLIN CAPSULE 500MG
** 50006855	AMPICILLIN DROPS 100MG/CC 20CC SIZE
** 50000030	AMPICILLIN SODIUM INJECTION 125MG IM/IV
** 50000031	AMPICILLIN SODIUM INJECTION 250MG IM/IV
** 50000032	AMPICILLIN SODIUM INJECTION 500MG IM/IV
** 50000033	AMPICILLIN SODIUM INJECTION 1.0GM IM/IV
** 50001237	AMPICILLIN SODIUM INJECTION 1.0GM PB VIAL
** 50001302	AMPICILLIN SODIUM INJECTION 10GM IM/IV
** 50000034	AMPICILLIN SODIUM INJECTION 2.0GM IM/IV
** 50001239	AMPICILLIN SODIUM INJECTION 2.0GM PB VIAL
** 50000035	AMPICILLIN SODIUM INJECTION IM 2.5GM VIAL
** 50006834	AMPICILLIN SUSP 125MG/5CC 80CC SIZE
** 50006821	AMPICILLIN SUSP 125MG/5CC 100CC SIZE
** 50006835	AMPICILLIN SUSP 125MG/5CC 150CC SIZE
** 50006825	AMPICILLIN SUSP 125MG/5CC 200CC SIZE
** 50006836	AMPICILLIN SUSP 250MG/5CC 80CC SIZE
** 50006837	AMPICILLIN SUSP 250MG/5CC 100CC SIZE
** 50006838	AMPICILLIN SUSP 250MG/5CC 150CC SIZE
** 50006839	AMPICILLIN SUSP 250MG/5CC 200CC SIZE
** 50006850	AMPICILLIN SUSP 500MG/5CC 100CC SIZE
** 50007307	AMPICILLIN 1GM; SULBACTAM SODIUM 0.5GM INJECTION IM/IV VIAL
** 50007305	AMPICILLIN 1GM; SULBACTAM SODIUM 0.5GM INJECTION PIGGY BACK VIAL
** 50007311	AMPICILLIN 2GM; SULBACTAM SODIUM 1GM INJECTION IM/IV VIAL
** 50007309	AMPICILLIN 2GM; SULBACTAM SODIUM 1GM INJECTION PIGGY BACK VIAL
** 50001000	AMPICILLIN-PROBENECID 3.5GM/1GM SUSP
** 50001001	AMPICILLIN-PROBENECID 3.5GM/1GM TAB/CAP
** 50001313	AZLOCILLIN SODIUM INJECTION 2GM INFUSION VIAL
** 50001316	AZLOCILLIN SODIUM INJECTION 2GM VIAL
** 50001311	AZLOCILLIN SODIUM INJECTION 3GM INFUSION VIAL
** 50001317	AZLOCILLIN SODIUM INJECTION 3GM VIAL
** 50001309	AZLOCILLIN SODIUM INJECTION 4GM INFUSION VIAL
** 50001318	AZLOCILLIN SODIUM INJECTION 4GM VIAL
** 50001320	BACAMPICILLIN ORAL SUSPENSION 125MG/5ML 100ML
** 50001321	BACAMPICILLIN ORAL SUSPENSION 125MG/5ML 140ML
** 50001322	BACAMPICILLIN ORAL SUSPENSION 125MG/5ML 200ML
** 50001319	BACAMPICILLIN ORAL SUSPENSION 125MG/5ML 70ML
** 50001323	BACAMPICILLIN TABLET 400MG
** 50004799	BACAMPICILLIN TABLET 800MG
** 50000050	CARBENICILLIN DISODIUM INJECTION 1GM VIAL
** 50000056	CARBENICILLIN DISODIUM INJECTION 2GM PB VIAL

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NOTICE OF EMERGENCY REPEALER

SECTION 141.880
EMERGENCY

ANTIMICROBIAL: PENICILLINS (Cont'd)

Item Number	Drug Name and Strength
** 50000051	CARBENICILLIN DISODIUM INJECTION 2GM VIAL
** 50000047	CARBENICILLIN DISODIUM INJECTION 5GM PB VIAL
** 50000052	CARBENICILLIN DISODIUM INJECTION 5GM VIAL
** 50000055	CARBENICILLIN DISODIUM INJECTION 10GM PB VIAL
** 50000053	CARBENICILLIN DISODIUM INJECTION 10GM VIAL
** 50001331	CARBENICILLIN DISODIUM INJECTION 30GM VIAL
** 50002510	CLOXACILLIN SODIUM CAPSULE 250MG
** 50002512	CLOXACILLIN SODIUM CAPSULE 500MG
** 50002514	CLOXACILLIN SODIUM ORAL SOLUTION 125MG/5ML 100ML
** 50002516	CLOXACILLIN SODIUM ORAL SOLUTION 125MG/5ML 200ML
** 50001334	CYCLACILLIN ORAL SUSPENSION 125MG/5ML 100ML
** 50001335	CYCLACILLIN ORAL SUSPENSION 125MG/5ML 150ML
** 50001336	CYCLACILLIN ORAL SUSPENSION 125MG/5ML 200ML
** 50001337	CYCLACILLIN ORAL SUSPENSION 250MG/5ML 100ML
** 50001338	CYCLACILLIN ORAL SUSPENSION 250MG/5ML 150ML
** 50001339	CYCLACILLIN ORAL SUSPENSION 250MG/5ML 200ML
** 50001342	CYCLACILLIN TABLET 250MG
** 50001343	CYCLACILLIN TABLET 500MG
** 50001999	DICLOXACILLIN SODIUM MONOHYD 125MG
** 50002000	DICLOXACILLIN SODIUM MONOHYD 250MG
** 50002001	DICLOXACILLIN SODIUM MONOHYD 500MG
** 50002002	DICLOXACILLIN SODIUM SUSP 62.5MG/5ML 80ML
** 50002007	DICLOXACILLIN SODIUM SUSP 62.5MG/5ML 100ML
** 50002008	DICLOXACILLIN SODIUM SUSP 62.5MG/5ML 200ML
** 00491430	GEOCILLIN TABLET 382MG
** 50002501	METHICILLIN SODIUM INJECTION 1GM PB VIAL
** 50004854	METHICILLIN SODIUM INJECTION 1GM VIAL
** 50001348	METHICILLIN SODIUM INJECTION 2GM VIAL
** 50004855	METHICILLIN SODIUM INJECTION 4GM VIAL
** 50004856	METHICILLIN SODIUM INJECTION 6GM VIAL
** 50001349	METHICILLIN SODIUM INJECTION 10GM VIAL
** 50001350	MEZLOCILLIN SODIUM INJECTION 1GM VIAL
** 50002513	MEZLOCILLIN SODIUM INJECTION 2GM PB VIAL
** 50001351	MEZLOCILLIN SODIUM INJECTION 2GM VIAL
** 50002515	MEZLOCILLIN SODIUM INJECTION 3GM PB VIAL
** 50001352	MEZLOCILLIN SODIUM INJECTION 3GM VIAL
** 50002517	MEZLOCILLIN SODIUM INJECTION 4GM PB VIAL
** 50001353	MEZLOCILLIN SODIUM INJECTION 4GM VIAL
** 50003942	NAFCILLIN SODIUM CAP/TAB 250MG
** 50003944	NAFCILLIN SODIUM CAP/TAB 500MG
** 50003940	NAFCILLIN SODIUM FOR ORAL SOLN 250MG/5ML

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SECTION 141.880
EMERGENCY

ANTIMICROBIAL: PENICILLINS (Cont'd)

Item Number	Drug Name and Strength
** 50003932	NAFCILLIN SODIUM INJECTION 500MG VIAL
** 50003935	NAFCILLIN SODIUM INJECTION 1.5GM PB VIAL
** 50002609	NAFCILLIN SODIUM INJECTION 1GM PB VIAL
** 50003934	NAFCILLIN SODIUM INJECTION 1GM VIAL
** 50002614	NAFCILLIN SODIUM INJECTION 2GM PB VIAL
** 50003936	NAFCILLIN SODIUM INJECTION 2GM VIAL
** 50003938	NAFCILLIN SODIUM INJECTION 4GM PB VIAL
** 50001354	NAFCILLIN SODIUM INJECTION 10GM
** 50006807	OXACILLIN SODIUM CAPSULE 250MG
** 50006815	OXACILLIN SODIUM CAPSULE 500MG
** 50004873	OXACILLIN SODIUM INJECTION 250MG VIAL
** 50004874	OXACILLIN SODIUM INJECTION 500MG VIAL
** 50002955	OXACILLIN SODIUM INJECTION 1GM PB VIAL
** 50004875	OXACILLIN SODIUM INJECTION 1GM VIAL
** 50002957	OXACILLIN SODIUM INJECTION 2GM PB VIAL
** 50004876	OXACILLIN SODIUM INJECTION 2GM VIAL
** 50004877	OXACILLIN SODIUM INJECTION 4GM VIAL
** 50001355	OXACILLIN SODIUM INJECTION 10GM
** 50006817	OXACILLIN SODIUM SUSP 250MG/5CC 100CC
** 50004884	PEN-G BENZATHINE INJ 300,000U/ML 10ML VIAL
** 50004889	PEN-G BENZATHINE INJ 600,000U/1.0ML SYRINGE
** 50003509	PEN-G BENZATHINE INJ 900,000U/1.5ML SYRINGE
** 50004890	PEN-G BENZATHINE INJ 1,200,000U/2ML SYRINGE
** 50004891	PEN-G BENZATHINE INJ 2,400,000U/4ML SYRINGE
** 50004886	PEN-G BENZATHINE&PROC INJ 600,000U/1ML SYRINGE
** 50003530	PEN-G BENZATHINE&PROC INJ 900/300 2ML SYRINGE
** 50004887	PEN-G BENZATHINE&PROC INJ 1,200,000U/2ML
** 50004888	PEN-G BENZATHINE&PROC INJ 2,400,000U/4ML
** 50004885	PEN-G BENZATHINE&PROC INJ 3,000,000U/10ML
** 50001359	PENICILLIN G BENZATHINE TABLET 200,000 UNITS
** 50004892	PENICILLIN G POTASSIUM INJ 200,000U AMP
** 50004893	PENICILLIN G POTASSIUM INJ 500,000U AMP
** 50004894	PENICILLIN G POTASSIUM INJ 1,000,000U AMP
** 50004895	PENICILLIN G POTASSIUM INJ 5,000,000U AMP
** 50004896	PENICILLIN G POTASSIUM INJ 10,000,000U AMP
** 50004897	PENICILLIN G POTASSIUM INJ 20,000,000U VIAL
** 50001314	PENICILLIN G POTASSIUM ORAL SOLUTION 200,000U/5ML 100ML
** 50001315	PENICILLIN G POTASSIUM ORAL SOLUTION 200,000U/5ML 200ML
** 50001356	PENICILLIN G POTASSIUM ORAL SOLUTION 250,000U/5ML 60ML
** 50001330	PENICILLIN G POTASSIUM ORAL SOLUTION 400,000U/5ML 100ML

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SECTION 141.880
EMERGENCY

ANTIMICROBIAL: PENICILLINS (Cont'd)

Item Number	Drug Name and Strength
** 50001358	PENICILLIN G POTASSIUM ORAL SOLUTION 400,000U/5ML 150ML
** 50001182	PENICILLIN G POTASSIUM ORAL SOLUTION 400,000U/5ML 200ML
** 50001357	PENICILLIN G POTASSIUM ORAL SOLUTION 400,000U/5ML 80ML
** 50004359	PENICILLIN G POTASSIUM TABLET 200,000U
** 50004367	PENICILLIN G POTASSIUM TABLET 250,000U
** 50004375	PENICILLIN G POTASSIUM TABLET 400,000U
** 50004377	PENICILLIN G POTASSIUM TABLET 500,000U
** 50004379	PENICILLIN G POTASSIUM TABLET 800,000U
** 50004903	PENICILLIN G PROCAINE INJECTION 1,200,000U/2ML 2ML SYRINGE
** 50004904	PENICILLIN G PROCAINE INJECTION 2,400,000U/4ML 4ML SYRINGE
** 50004901	PENICILLIN G PROCAINE INJECTION 600,000U/ML 1ML SYRINGE
** 50004902	PENICILLIN G PROCAINE INJECTION 600,000U/1.2ML/12ML VIAL
** 50004899	PENICILLIN G PROCAINE INJECTION 300,000U/ML 10ML VIAL
** 50004906	PENICILLIN G SODIUM INJECTION 5,000,000U/VIAL
** 50006302	PENICILLIN V DROPS 1.5GM/BOTTLE
** 50006386	PENICILLIN V K SYR/SUSP 125MG/5CC 40CC
** 50006397	PENICILLIN V K SYR/SUSP 125MG/5CC 100CC
** 50006407	PENICILLIN V K SYR/SUSP 125MG/5CC 150CC
** 50006398	PENICILLIN V K SYR/SUSP 125MG/5CC 200CC
** 50006399	PENICILLIN V K SYR/SUSP 250MG/5CC 100CC
** 50006409	PENICILLIN V K SYR/SUSP 250MG/5CC 150CC
** 50006400	PENICILLIN V K SYR/SUSP 250MG/5CC 200CC
** 50006351	PENICILLIN V K TAB/CAP 125MG
** 50006378	PENICILLIN V K TAB/CAP 250MG
** 50006379	PENICILLIN V K TAB/CAP 500MG
** 60008012	PENICILLIN-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008011	PENICILLIN-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 50003302	PIPERACILLIN SODIUM INJECTION 2GM PB VIAL
** 50001361	PIPERACILLIN SODIUM INJECTION 2GM VIAL
** 50003304	PIPERACILLIN SODIUM INJECTION 3GM PB VIAL
** 50001362	PIPERACILLIN SODIUM INJECTION 3GM VIAL
** 50003306	PIPERACILLIN SODIUM INJECTION 4GM PB VIAL
** 50001363	PIPERACILLIN SODIUM INJECTION 4GM VIAL

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DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.960
EMERGENCY

ANTIMICROBIAL: TETRACYCLINES

Item Number	Drug Name and Strength
** 50001380	DEMECLOXYCLINE HCL CAPSULE 150MG
** 50001381	DEMECLOXYCLINE HCL TABLET 150MG
** 50001382	DEMECLOXYCLINE HCL TABLET 300MG
** 50006437	DOXYCYCLINE CALCIUM SYRUP 50MG/5ML
** 50006435	DOXYCYCLINE HYCLATE CAPSULE 50MG
** 50006100	DOXYCYCLINE HYCLATE CAPSULE 100MG
** 50002312	DOXYCYCLINE HYCLATE PELLETTED CAPSULE 100MG
** 50001386	DOXYCYCLINE HYCLATE TABLET 100MG
** 50000100	DOXYCYCLINE IV INJECTION 100MG VIAL
** 50003400	DOXYCYCLINE IV INJECTION 200MG VIAL
** 50006436	DOXYCYCLINE MONOHYDRATE ORAL SUSPENSION 25MG/5ML 60ML
** 50001388	METHACYCLINE HCL CAPSULE 150MG
** 50001389	METHACYCLINE HCL CAPSULE 300MG
** 50001250	MINOCYCLINE CAPSULE 50MG
** 50001300	MINOCYCLINE CAPSULE 100MG
** 50004857	MINOCYCLINE HCL INJECTION FOR IV 100MG VIAL
** 50006634	MINOCYCLINE HCL PELLETT FILLED CAP 50MG
** 50006636	MINOCYCLINE HCL PELLETT FILLED CAP 100MG
** 50001305	MINOCYCLINE ORAL SUSPENSION 50MG/5ML
** 50001394	MINOCYCLINE TABLET 50MG
** 50001395	MINOCYCLINE TABLET 100MG
** 50005711	OXYTETRACYCLINE HCL CAPSULE 250MG
** 50001401	OXYTETRACYCLINE HCL INJECTION 250MG VIAL IV
** 50001402	OXYTETRACYCLINE HCL INJECTION 500MG VIAL IV
** 50001406	OXYTETRACYCLINE INJECTION 125MG/ML IM 2ML AMP
** 50001407	OXYTETRACYCLINE INJECTION 125MG/ML IM 2ML SYRINGE
** 50001403	OXYTETRACYCLINE INJECTION 50MG/ML IM 2ML AMP
** 50001404	OXYTETRACYCLINE INJECTION 50MG/ML IM 2ML SYRINGE
** 50001405	OXYTETRACYCLINE INJECTION 50MG/ML IM 10ML VIAL
** 50005617	TETRACYCLINE IM INJECTION 100MG VIAL
** 50005618	TETRACYCLINE IM INJECTION 250MG VIAL
** 50005620	TETRACYCLINE IV INJECTION 250MG VIAL
** 50005621	TETRACYCLINE IV INJECTION 500MG VIAL
** 50005819	TETRACYCLINE PEDIATRIC DROP 100MG/ML 10ML
** 50005800	TETRACYCLINE SYR/SUSP 125MG/5ML
** 50005789	TETRACYCLINE TAB/CAP 250MG
** 50005790	TETRACYCLINE TAB/CAP 500MG
** 60008016	TETRACYCLINE-INJECTION-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008015	TETRACYCLINE-ORAL-NOT OTHERWISE LISTED-IF LAW REQUIRES RX

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.1000
EMERGENCY

ANTIMICROBIAL: VACCINES

Item Number	Drug Name and Strength
** 50004672	HEPATITIS B VACCINE 10MCG ANTIGEN/ML 0.5ML VIAL
** 50004670	HEPATITIS B VACCINE 20MCG ANTIGEN/ML 3ML MULTI-DOSE VIAL
** 50001900	HEPATITIS B VACCINE (RECOMBINANT) 5MCG/0.5ML 1 DOSE VIAL
** 50001904	HEPATITIS B VACCINE (RECOMBINANT) 10MCG/ML 1ML VIAL
** 50001902	HEPATITIS B VACCINE (RECOMBINANT) 10MCG/ML 3 DOSE VIAL
** 50001749	HEPATITIS B VACCINE (RECOMBINANT) 40MCG/ML 1ML VIAL
** 50004666	PNEUMOCOCCAL VACCINE - POLYVALENT
** 40004232	TETANUS TOXOID INJECTION ADSORBED 0.5ML

SECTION 141.1040
EMERGENCY

BLOOD: ANTIANEMIA

Item Number	Drug Name and Strength
50002715	FERROUS SULFATE CAP/TAB TD
50002713	FERROUS SULFATE DROP 15CC SIZE
50002714	FERROUS SULFATE DROP 50CC SIZE
50002720	FERROUS SULFATE ELIXIR/SYRUP
50002712	FERROUS SULFATE TABLET EC 300MG
50002711	FERROUS SULFATE TABLET 300MG
50001308	FOLIC ACID INJECTION 5MG/ML 10ML VIAL
50006783	FOLIC ACID TABLET 1.00MG
50003801	IRON DEXTRAN COMPLEX INJECTION 50MG/ML 10ML VIAL
50006614	VITAMIN B-12 INJECTION 100MCG/CC 10CC
50006615	VITAMIN B-12 INJECTION 1000MCG/CC 10CC
50005641	VITAMIN B-12 REPOSITORY INJ 500MCG/ML AMP

SECTION 141.1080
EMERGENCY

BLOOD: ANTICOAGULANT

Item Number	Drug Name and Strength
** 50001055	HEPARIN SODIUM INJECTION 100U/ML 1ML
** 50001057	HEPARIN SODIUM INJECTION 100U/ML 2ML
** 50001059	HEPARIN SODIUM INJECTION 100U/ML 10ML

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SECTION 141.1080

BLOOD: ANTICOAGULANT (Cont'd)

SECTION 141.1120

BLOOD: HEMOSTATIC (Cont'd)

EMERGENCY

EMERGENCY

Item Number	Drug Name and Strength
** 50001061	HEPARIN SODIUM INJECTION 10U/ML 30ML
** 50005803	HEPARIN SODIUM INJECTION 100U/ML 1ML
** 50005813	HEPARIN SODIUM INJECTION 100U/ML 2ML
** 50005823	HEPARIN SODIUM INJECTION 100U/ML 10ML
** 50005833	HEPARIN SODIUM INJECTION 100U/ML 30ML
** 50001087	HEPARIN SODIUM INJECTION 1000U/ML 1ML
** 50001089	HEPARIN SODIUM INJECTION 1000U/ML 2ML
** 50003450	HEPARIN SODIUM INJECTION 1000U/ML 10ML VIAL
** 50003451	HEPARIN SODIUM INJECTION 1000U/ML 30ML VIAL
** 50003443	HEPARIN SODIUM INJECTION 5000U/ML 1ML AMP
** 50003445	HEPARIN SODIUM INJECTION 5000U/ML 10ML VIAL
** 50003447	HEPARIN SODIUM INJECTION 10,000U/ML 1ML AMP
** 50003449	HEPARIN SODIUM INJECTION 10,000U/ML 4ML VIAL
** 50003502	HEPARIN SODIUM INJECTION 10,000U/ML 5ML VIAL
** 50003592	HEPARIN SODIUM INJECTION 10,000U/ML 10ML VIAL
** 50003452	HEPARIN SODIUM INJECTION 20,000U/ML 1ML AMP
** 50003587	HEPARIN SODIUM INJECTION 20,000U/ML 2ML VIAL
** 50003454	HEPARIN SODIUM INJECTION 20,000U/ML 5ML VIAL
** 50003455	HEPARIN SODIUM INJECTION 40,000U/ML 2ML VIAL
** 50001603	WARFARIN SODIUM TABLET 1.0MG
** 50001615	WARFARIN SODIUM TAB 2.0MG
** 50001617	WARFARIN SODIUM TAB 2.5MG
** 50001619	WARFARIN SODIUM TAB 5.0MG
** 50001621	WARFARIN SODIUM TAB 7.5MG
** 50001627	WARFARIN SODIUM TAB 10.0MG

SECTION 141.1120

BLOOD: HEMOSTATIC

EMERGENCY

SECTION 141.1120

CARDIOVASCULAR: ANTIANGINAL

Item Number	Drug Name and Strength
** 50003891	AMINOCAPROIC ACID INJECTION 250MG/ML 20ML
** 50003893	AMINOCAPROIC ACID INJECTION 250MG/ML 96ML
** 50003895	AMINOCAPROIC ACID SYRUP 25%
** 50003897	AMINOCAPROIC ACID TABLET 500MG
** 50004932	PROTAMINE SULFATE INJ 1% 5ML AMP
** 50004933	PROTAMINE SULFATE INJ 1% 25ML AMP
** 50004934	PROTAMINE SULFATE INJ 50MG W DILUENT
** 50005646	VITAMIN K ANALOG INJ 5MG/ML AMP
** 50005647	VITAMIN K ANALOG INJ 10MG/ML AMP
** 50005648	VITAMIN K ANALOG INJ 10MG/ML 2.5ML VIAL
** 50005649	VITAMIN K ANALOG INJ 10MG/ML 5.0ML VIAL

SECTION 141.1125

BLOOD: MISCELLANEOUS

** 50005650	VITAMIN K ANALOG INJ 75MG/2ML AMP
** 50006718	VITAMIN K ANALOGS 5MG

EMERGENCY

SECTION 141.1160

CALCIUM

** 05553126	EPOGEN INJECTION 2,000U/ML 1ML VIAL (MUST BILL MEDICARE FIRST, IF ELIG.)
** 05553267	EPOGEN INJECTION 3,000U/ML 1ML VIAL (MUST BILL MEDICARE FIRST, IF ELIG.)
** 05553148	EPOGEN INJECTION 4,000U/ML 1ML VIAL (MUST BILL MEDICARE FIRST, IF ELIG.)
** 05553144	EPOGEN INJECTION 10,000U/ML 1ML VIAL (MUST BILL MEDICARE FIRST, IF ELIG.)
** 00390078	TRENTAL CONTROLLED RELEASE TABLET 400MG

SECTION 141.1160

CALCIUM

50001075	CALCIUM CARBONATE TABLET 650MG
50000058	CALCIUM CHLORIDE INJ 10% 10ML AMP
40004000	CALCIUM CITRATE TABLET 950MG
50002386	CALCIUM CITRATE TABLET 1188MG

SECTION 141.1200

CARDIOVASCULAR: ANTIANGINAL

EMERGENCY

Item Number	Drug Name and Strength
** 00332437	CARDENE CAPSULE 20MG
** 00332438	CARDENE CAPSULE 30MG
** 00810166	CARDILATE TABLET ORAL/SUBLING 5MG
** 00810168	CARDILATE TABLET ORAL/SUBLING 10MG
** 00881777	CARDIZEM SR CAPSULE 60MG
** 00881778	CARDIZEM SR CAPSULE 90MG
** 00881779	CARDIZEM SR CAPSULE 120MG

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SECTION 141.1200
EMERGENCY
CARDIOVASCULAR: ANTIANGINAL (Cont'd)

Item Number	Drug Name and Strength
** 00881771	CARDIZEM TABLET 30MG
** 00881772	CARDIZEM TABLET 60MG
** 00881791	CARDIZEM TABLET 90MG
** 00881792	CARDIZEM TABLET 120MG
** 50003265	ISOSORBIDE DINITRATE TAB 2.5MG SUBLINGUAL
** 50003267	ISOSORBIDE DINITRATE TAB 5MG ORAL
** 50003281	ISOSORBIDE DINITRATE TAB 5MG SUBLINGUAL
** 50003280	ISOSORBIDE DINITRATE TAB 10MG ORAL
** 50003278	ISOSORBIDE DINITRATE TAB 10MG SUBLINGUAL
** 50003285	ISOSORBIDE DINITRATE TAB 20MG ORAL
** 50003284	ISOSORBIDE DINITRATE TAB/CAP 30MG ORAL
** 50003270	ISOSORBIDE DINITRATE TAB/CAP 40MG ORAL
** 50003282	ISOSORBIDE DINITRATE TAB/CAP 40MG SA
** 50001865	NIFEDIPINE CAPSULE 10MG
** 50002527	NIFEDIPINE CAPSULE 20MG
** 50002200	NIFEDIPINE TABLET SUSTAINED RELEASE 30MG
** 50002202	NIFEDIPINE TABLET SUSTAINED RELEASE 60MG
** 50002204	NIFEDIPINE TABLET SUSTAINED RELEASE 90MG
** 00262855	NIMOTOP CAPSULE 30MG
** 50005521	NITROGLYCERIN AEROSOL SPRAY 0.4MG/DOSE 13.8GM
UNIT 200 DOSES/UNIT	
** 50000746	NITROGLYCERIN OINTMENT 20GM
** 50000748	NITROGLYCERIN OINTMENT 30GM
** 50000750	NITROGLYCERIN OINTMENT 60GM
** 50002040	NITROGLYCERIN PATCH 3.3CM2 2.5MG/24HR
** 50002035	NITROGLYCERIN PATCH 5CM2 2.5MG/24HR
** 50002042	NITROGLYCERIN PATCH 6.7CM2 5MG/24HR
** 50002133	NITROGLYCERIN PATCH 8CM2 5MG/24HR
** 50002034	NITROGLYCERIN PATCH 10CM2 5MG/24HR
** 50002033	NITROGLYCERIN PATCH 10CM2 5MG/24HR
** 50002048	NITROGLYCERIN PATCH 13.3CM2 10MG/24HR
** 50002037	NITROGLYCERIN PATCH 15CM2 7.5MG/24HR
** 50002138	NITROGLYCERIN PATCH 16CM2 5MG/24HR
** 50002134	NITROGLYCERIN PATCH 16CM2 10MG/24HR
** 50002036	NITROGLYCERIN PATCH 20CM2 10MG/24HR
** 50002049	NITROGLYCERIN PATCH 20.0CM2 15MG/24HR
** 50005135	NITROGLYCERIN PATCH 30CM2 15MG/24HR
** 50002140	NITROGLYCERIN PATCH 32CM2 10MG/24HR
** 50000770	NITROGLYCERIN SR TAB/CAP 1.3MG
** 50000772	NITROGLYCERIN SR TAB/CAP 2.5MG 60's
** 50000774	NITROGLYCERIN SR TAB/CAP 2.5MG 100's
** 50000776	NITROGLYCERIN SR TAB/CAP 2.6MG
** 50000778	NITROGLYCERIN SR TAB/CAP 6.5MG 60's

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SECTION 141.1200
EMERGENCY
CARDIOVASCULAR: ANTIANGINAL (Cont'd)

Item Number	Drug Name and Strength
** 50000780	NITROGLYCERIN SR TAB/CAP 6.5MG 100's
** 50000782	NITROGLYCERIN SR TAB/CAP 9.0MG 60's
** 50000784	NITROGLYCERIN SR TAB/CAP 9.0MG 100's
** 50000732	NITROGLYCERIN SUBLINGUAL TAB 0.15MG 25's
** 50000730	NITROGLYCERIN SUBLINGUAL TAB 0.15MG 100's
** 50000736	NITROGLYCERIN SUBLINGUAL TAB 0.3MG 25's
** 50000734	NITROGLYCERIN SUBLINGUAL TAB 0.3MG 100's
** 50000740	NITROGLYCERIN SUBLINGUAL TAB 0.4MG 25's
** 50000738	NITROGLYCERIN SUBLINGUAL TAB 0.4MG 100's
** 50000744	NITROGLYCERIN SUBLINGUAL TAB 0.6MG 25's
** 50000742	NITROGLYCERIN SUBLINGUAL TAB 0.6MG 100's
** 50003874	NITROGLYCERIN TRANSMUCOSAL CONTROLLED RELEASE TABLET 1MG
** 50003876	NITROGLYCERIN TRANSMUCOSAL CONTROLLED RELEASE TABLET 2MG
** 50003878	NITROGLYCERIN TRANSMUCOSAL CONTROLLED RELEASE TABLET 3MG
** 50004221	VERAPAMIL HCL SUSTAINED RELEASE PELLETTED CAPSULE 120MG
** 50004223	VERAPAMIL HCL SUSTAINED RELEASE PELLETTED CAPSULE 240MG
** 50004218	VERAPAMIL HCL TABLET 40MG
** 50004220	VERAPAMIL HCL TABLET 80MG
** 50004222	VERAPAMIL HCL TABLET 120MG
** 50004226	VERAPAMIL HCL TABLET SUST RELEASE 180MG
** 50004224	VERAPAMIL HCL TABLET SUST RELEASE 240MG
SECTION 141.1240 EMERGENCY CARDIOVASCULAR: ANTIARRHYTHMIC	
** 00345470	CARDIOQUIN TABLET 275MG
** 50003901	DISOPYRAMIDE PHOSPHATE CAPSULE 100MG
** 50003903	DISOPYRAMIDE PHOSPHATE CAPSULE 150MG
** 50003905	DISOPYRAMIDE PHOSPHATE CONTROLLED RELEASE CAPSULE 100MG
** 50003907	DISOPYRAMIDE PHOSPHATE CONTROLLED RELEASE CAPSULE 150MG
** 00560061	ETHMOZINE TABLET 200MG
** 00560062	ETHMOZINE TABLET 250MG
** 00560064	ETHMOZINE TABLET 300MG

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SECTION 141.1240
EMERGENCY

CARDIOVASCULAR: ANTIARRHYTHMIC (Cont'd)

SECTION 141.1320
EMERGENCY

CARDIOVASCULAR: BETA BLOCKERS

Item Number	Drug Name and Strength
** 05970066	MEXITIL CAPSULE 150MG
** 05970067	MEXITIL CAPSULE 200MG
** 05970068	MEXITIL CAPSULE 250MG
G 50004048	PROCAINAMIDE HCL INJ 100MG/ML 10ML VIAL
G 50004050	PROCAINAMIDE HCL INJ 500MG/ML 2ML VIAL
** 50004043	PROCAINAMIDE HCL SR TABLET 250MG
** 50004047	PROCAINAMIDE HCL SR TABLET 500MG
** 50004049	PROCAINAMIDE HCL SR TABLET 750MG
** 50004051	PROCAINAMIDE HCL SR TABLET 1000MG
** 50004042	PROCAINAMIDE HCL TAB/CAP 250MG
** 50004044	PROCAINAMIDE HCL TAB/CAP 375MG
** 50004046	PROCAINAMIDE HCL TAB/CAP 500MG
** 50004066	QUINIDINE GLUCONATE TAB/CAP 324/330MG TD
** 50000985	QUINIDINE SULFATE TABLET CR 300MG
** 50005141	QUINIDINE SULFATE TABLET 100MG
** 50005142	QUINIDINE SULFATE TABLET 200MG
** 50005143	QUINIDINE SULFATE TABLET 300MG
** 00060707	TONOCARD TABLET 400MG
** 00060709	TONOCARD TABLET 600MG

SECTION 141.1280
EMERGENCY

CARDIOVASCULAR: ANTIHYPERLIPIDEMICS

Item Number	Drug Name and Strength
** 50004593	CHOLESTYRAMINE RESIN BAR 4GM
** 50001227	CHOLESTYRAMINE RESIN POWDER LIGHT 5GM PACKET
** 50001229	CHOLESTYRAMINE RESIN POWDER LIGHT 210GM CAN
** 50004597	CHOLESTYRAMINE RESIN POWDER PACKET 4GM
** 50004595	CHOLESTYRAMINE RESIN POWDER 378GM CAN
00481230	CHOLEXIN TABLET 1MG
00481250	CHOLEXIN TABLET 2MG
00481270	CHOLEXIN TABLET 4MG
00481290	CHOLEXIN TABLET 6MG
50002851	CLOFIBRATE CAPSULE 500MG
00090260	COLESTID POWDER - BOTTLE 500GM
00091260	COLESTID POWDER - PACKETS
** 00710669	LOPID CAPSULE 300MG
** 00710737	LOPID TABLET 600MG
01830051	LORELCO TABLET 250MG
00680053	LORELCO TABLET 500MG
** 00060731	MEVACOR TABLET 20MG
** 00060732	MEVACOR TABLET 40MG

Item Number	Drug Name and Strength
** 00741664	CARTROL TABLET 2.5MG
** 00741665	CARTROL TABLET 5.0MG
** 00030232	CORGARD TABLET 20MG
** 00030207	CORGARD TABLET 40MG
** 00030241	CORGARD TABLET 80MG
** 00030208	CORGARD TABLET-120MG
** 00030246	CORGARD TABLET-160MG
** 00255101	KERLONE TABLET 10MG
** 00255201	KERLONE TABLET 20MG

Searle has established the "Kerlone Patient Plus" program to make Kerlone tablets available at no cost to patients for six months. Physicians have been able to enroll patients in the program since May 15, 1990. The enrollment period will end on August 31, 1990. Patients receive certificates good for either 30, 60 or 90 day supplies which are to be used by the provider to obtain payment directly from Searle. The Department of Public Aid will not allow payment to providers for Kerlone prescriptions issued to enrolled individuals during their six months of eligibility in the "Kerlone Patient Plus" program. Through August 31, 1990, providers must take appropriate steps to enroll recipients in the Searle program. For specific information on the Searle "Kerlone Patient Plus" program, providers may call 1-800-537-5663 (1-800-KERLONE).

** 40001069	LABELALOL HCL TABLET 100MG
** 50003386	LABELALOL HCL TABLET 200MG
** 50003388	LABELALOL HCL TABLET 300MG
** 00214500	LEVATOL TABLET 20MG
** 00280051	LOPRESSOR TABLET 50MG
** 00280071	LOPRESSOR TABLET 100MG
G 50005440	PROPRANOLOL HCL INJECTION 1MG/1ML AMP
** 50005468	PROPRANOLOL HCL LONG ACTING CAPSULE 60MG
** 50005470	PROPRANOLOL HCL LONG ACTING CAPSULE 80MG
** 50005475	PROPRANOLOL HCL LONG ACTING CAPSULE 120MG
** 50005480	PROPRANOLOL HCL LONG ACTING CAPSULE 160MG
** 50005442	PROPRANOLOL HCL TABLET 10MG
** 50005444	PROPRANOLOL HCL TABLET 20MG
** 50005446	PROPRANOLOL HCL TABLET 40MG

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SECTION 141.1320 CARDIOVASCULAR: BETA BLOCKERS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50005448	PROPRANOLOL HCL TABLET 60MG
** 50005450	PROPRANOLOL HCL TABLET 80MG
** 50005452	PROPRANOLOL HCL TABLET 90MG
** 00824177	SECTRAL CAPSULE 200MG
** 00824179	SECTRAL CAPSULE 400MG
** 00380105	TENORMIN TABLET 50MG
** 00380101	TENORMIN TABLET 100MG
** 50007401	TIMOLOL MALEATE TABLET 10MG
** 50007402	TIMOLOL MALEATE TABLET 20MG
** 00780111	VISKEN TABLET 5MG
** 00780073	VISKEN TABLET 10MG

SECTION 141.1360 CARDIOVASCULAR: DIGITALIS GLYCOSIDES
EMERGENCY

Item Number	Drug Name and Strength
** 50000088	DIGITOXIN INJECTION 0.2MG/ML 1ML AMP
** 50002152	DIGITOXIN TABLET 0.05MG
** 50002143	DIGITOXIN TABLET 0.1MG
** 50002153	DIGITOXIN TABLET 0.15MG
** 50002151	DIGITOXIN TABLET 0.2MG
** 50002188	DIGOXIN ELIXIR 0.05MG/CC
** 50000091	DIGOXIN INJECTION 0.1MG/ML 1ML AMP
** 50001869	DIGOXIN INJECTION 0.25MG/ML 1ML SYRINGE
** 50000092	DIGOXIN INJECTION 0.25MG/ML 2ML AMP
** 50001868	DIGOXIN INJECTION 0.50MG/2ML 2ML SYRINGE
** 50002177	DIGOXIN TABLET 0.125MG
** 50002178	DIGOXIN TABLET 0.250MG
** 50002186	DIGOXIN TABLET 0.500MG

SECTION 141.1400 CARDIOVASCULAR: HYPOTENSION/SHOCK
EMERGENCY

Item Number	Drug Name and Strength
G 50000260	DOPAMINE HYDROCHLORIDE 200MG/5ML
50000286	EPINEPHRINE AQUEOUS INJECTION 1:1000 30 ML VIAL
50000285	EPINEPHRINE AQUEOUS INJECTION 1:1000 1ML
** 50003506	EPINEPHRINE INJECTION 1:1000 1ML SYRINGE

DEPARTMENT OF PUBLIC AID

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SECTION 141.1400 CARDIOVASCULAR: HYPOTENSION/SHOCK (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
50000287	EPINEPHRINE SUSPENSION 1:200 INJ 0.3ML
50000288	EPINEPHRINE SUSPENSION 1:200 INJ 5ML
50000650	ISOPROTERENOL HCL INJ 1:5000 1ML AMP
50000652	ISOPROTERENOL HCL INJ 1:5000 5ML AMP
00241123	LEVOPHED INJECTION 0.1% 4ML AMP

SECTION 141.1480 CONTRACEPTIVE: NONORAL
EMERGENCY

Item Number	Drug Name and Strength
** 01110022	BECAUSE CONTRACEPTOR 10CM APPLICATION
** 00623252	CONCEPTROL JELLY 2.5GM APPLICATION 6'S
** 00623352	CONCEPTROL JELLY 2.5GM APPLICATION 10'S
** 00625252	CONCEPTROL JELLY -TUBE 70GM
** 00624252	CONCEPTROL CREAM-TUBE 70GM
** 50002900	CONDOMS
** 60009950	CONTRACEPTIVE FOAM CRM JELLY NOT OTHERWISE LISTED

** 00625130	DELLEN FOAM KIT 20GM
** 00624130	DELLEN FOAM REFILL 20GM
** 00623130	DELLEN FOAM REFILL 50GM
** 60009951	DIAPHRAMS - CONTRACEPTIVE
** 01110031	EMKO PRE-FIL KIT 30GM
** 01110031	EMKO PRE-FIL REFILL 60GM
** 01110021	EMKO VAGINAL FOAM KIT 40GM
** 01110021	EMKO VAGINAL FOAM REFILL 40GM
** 01110021	EMKO VAGINAL FOAM REFILL 90GM
** 11962003	ENCARE OVAL VAGINAL CONTRACEPTIVE 12'S
** 00623180	GYNOL II JELLY 81GM C APPLICATOR
** 00623182	GYNOL II JELLY 126GM REFILL
** 00623280	INTERCEPT CONTRACEPTIVE SUPPOSITORIES 12'S C APP
** 00623282	INTERCEPT CONTRACEPTIVE SUPPOSITORIES 12'S REFILL
** 00270020	KOROMEX CREAM C APPLICATOR 115GM
** 00270030	KOROMEX FOAM C APPLICATOR 40GM
** 00270060	KOROMEX GEL C APPLICATOR 126GM
** 00270015	KOROMEX JELLY C APPLICATOR 126GM
** 00625190	ORTHO-CREME CONTRACEPTIVE CR 115GM REFILL
** 00623190	ORTHO-CREME CONTRACEPTIVE CR 70GM C APP
** 00624190	ORTHO-CREME CONTRACEPTIVE CR 70GM REFILL

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SECTION 141.1480
EMERGENCY

CONTRACEPTIVE: NONORAL (Cont'd)

Item Number	Drug Name and Strength
** 00625170	ORTHO-GYNOL CONTRACEPTIVE JE 126GM REFILL
** 00623170	ORTHO-GYNOL CONTRACEPTIVE JE 81 GM C APP
** 00624170	ORTHO-GYNOL CONTRACEPTIVE JE 81GM REFILL
** 05476538	PARAGUARD COPPER IUD MODEL T 380A
** 50002368	ONLY TO BE BILLED BY PHYSICIAN/CLINIC
** 50002368	PRENTIF CAVITY RIM CERVICAL CAP; FIT SET
** 17314423	ONLY TO BE BILLED BY PHYSICIAN/CLINIC
** 17314423	PROGESTASERT INTRAUTERINE CONTRACEPTIVE
** 02340003	ONLY TO BE BILLED BY PHYSICIAN/CLINIC
** 02340003	RAMSES VAGINAL JELLY 90GM
** 02340002	RAMSES VAGINAL JELLY REFILL 90GM
** 02340002	RAMSES VAGINAL JELLY REFILL 150GM
** 05733301	SEMICID VAGINAL SUPPOSITORY 10'S
** 05733301	SEMICID VAGINAL SUPPOSITORY 10'S
** 05733401	SEMICID VAGINAL SUPPOSITORY 20'S
** 03964010	SHUR-SEAL GEL 24 PACK
** 01760300	TODAY CONTRACEPTIVE SPONGES 3'S
** 01760600	TODAY CONTRACEPTIVE SPONGES 6'S
** 01761200	TODAY CONTRACEPTIVE SPONGES 12'S

SECTION 141.1500
EMERGENCY

DIAPER RASH PRODUCTS

Item Number	Drug Name and Strength
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SECTION 141.1520
EMERGENCY

DIURETICS

Item Number	Drug Name and Strength
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** 50002400	ACETAZOLAMIDE SUSTAINED RELEASE CAPSULE 500MG
** 50002404	ACETAZOLAMIDE TABLET 125MG
** 50002406	ACETAZOLAMIDE TABLET 250MG
** 50002039	AMILORIDE HCL 5MG; HYDROCHLOROTHIAZIDE 50MG TABLET
** 50005510	CHLOROTHIAZIDE SUSPENSION 250MG/5ML
** 50005250	CHLOROTHIAZIDE TABLET 250MG
** 50005500	CHLOROTHIAZIDE TABLET 500MG
** 00060049	DARANIDE TABLET 50MG
** 04840806	DYRENIUM CAPSULE 50MG
** 04840807	DYRENIUM CAPSULE 100MG
** 00060065	EDECIN TABLET 25MG
** 00060090	EDECIN TABLET 50MG

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SECTION 141.1520
EMERGENCY

DIURETICS (Cont'd)

Item Number	Drug Name and Strength
** 50000460	FUROSEMIDE INJECTION 10MG/ML 2ML AMP
** 50000464	FUROSEMIDE INJECTION 10MG/ML 4ML AMP
** 50000468	FUROSEMIDE INJECTION 10MG/ML 10ML AMP
** 50000470	FUROSEMIDE ORAL SOLUTION 10MG/ML 60ML
** 50000472	FUROSEMIDE ORAL SOLUTION 10MG/ML 120ML
** 50000474	FUROSEMIDE TABLET 20MG
** 50000476	FUROSEMIDE TABLET 40MG
** 50000478	FUROSEMIDE TABLET 80MG
** 50003158	HYDROCHLOROTHIAZIDE TABLET 25MG
** 50003166	HYDROCHLOROTHIAZIDE TABLET 50MG
** 50003168	HYDROCHLOROTHIAZIDE TABLET 100MG
** 50007363	HYDROCHLOROTHIAZIDE 25MG; SPIRONOLATONE 25MG TABLET
** 50007167	HYDROCHLOROTHIAZIDE 25MG; TRIAMTERENE 37.5MG TABLET
** 50000530	HYDROCHLOROTHIAZIDE 25MG; TRIAMTERENE 50MG CAPSULE
** 50007169	HYDROCHLOROTHIAZIDE 50MG; TRIAMTERENE 75MG TABLET
** 50003588	METHYLCLOTHIAZIDE TABLET 2.5MG
** 50003589	METHYLCLOTHIAZIDE TABLET 5.0MG
** 50005596	METOLAZONE TABLET 0.5MG
** 50005693	METOLAZONE TABLET 2.5MG
** 50005694	METOLAZONE TABLET 5MG
** 50005695	METOLAZONE TABLET 10MG
** 00054565	NEPTAZANE TABLET 25MG
** 00054570	NEPTAZANE TABLET 50MG
** 50007362	SPIRONOLACTONE TABLET 25MG
** 50007364	SPIRONOLACTONE TABLET 100MG
** 50004073	TRICHLORMETHIAZIDE TABLET 2MG
** 50004081	TRICHLORMETHIAZIDE TABLET 4MG

SECTION 141.1560
EMERGENCY

DOPAMINE RECEPTOR AGONISTS

Item Number	Drug Name and Strength
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00780102	PARLODEL CAPSULE 5MG
00780017	PARLODEL TABLET 2.5MG

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SECTION 141.1600
ENZYMES
EMERGENCY

Item Number	Drug Name and Strength
SECTION 141.1640 EMERGENCY	EYE/EAR/NOSE/THROAT: ANTIBIOTICS
Item Number	Drug Name and Strength
** 00054724	AUREOMYCIN OPHTH OINT 1/80Z
** 50000008	BACITRACIN OPHTHALMIC OINTMENT
** 50000105	BACITRACIN/NEOMYCIN/POLYMYXIN B OPHTH OINT 4000U/GM-3.5MG BASE/10000U/GM
** 50000122	CHLORAMPHENICOL OPHTHALMIC OINTMENT 1.0% 15ML BOTTLE
** 50000120	CHLORAMPHENICOL OPHTHALMIC SOLUTION 0.5% 7.5ML BOTTLE
** 50000119	CHLORAMPHENICOL OPHTHALMIC SOLUTION 0.5% 7.5ML BOTTLE
** 50000123	CHLORAMPHENICOL OTIC SOLUTION 0.5% 15ML
** 50000121	CHLORAMPHENICOL POWDER FOR OPHT SOLUTION
** 00713082	CHLORAMPHENICOL OPHTHALMIC OINT 3.5GM
** 50002612	ERYTHROMYCIN OPHT OINT 1/80Z TUBE
** 50000492	GENTAMICIN SULFATE OPHTHALMIC OINTMENT 3MG BASE/GM
** 50000490	GENTAMICIN SULFATE OPHTHALMIC SOLUTION 0.3% 5ML
** 50000520	GRAMICIDIN; NEOMYCIN; POLYMYXIN OPHT SOL 0.025MG/ML; 1.75MG BASE/ML; 5000U/ML
** 00090542	MYCITRACIN OPHT OINTMENT 3.5GM
** 50001624	NEOMYCIN SULFATE 3.5MG/ML; POLYMYXIN B SULFATE 16,250U/ML OPHT SOLN 5ML
** 60008020	OPHTHALMIC ANTIBIOTIC-OINTMENT-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60008019	OPHTHALMIC ANTIBIOTIC-SOLUTION/SUSP-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 00810797	POLYSPORIN OPHT OINT 1/80Z TUBE
** 00237824	POLYTRIM OPHTHALMIC SOLUTION 10ML
** 00650624	STATROL OPHT OINT 3.5GM TUBE
** 00690801	TERRAMYCIN OPHT OINT C POLYMYX 1/80Z
** 00690802	TERRAMYCIN OTIC OINT C POLYMYX 1/80Z
** 50001232	TETRACYCLINE HCL OPHTHALMIC SUSPENSION 1.0% 4ML
** 50001230	TETRACYCLINE HCL OPHTHALMIC OINT 1.0%
** 50001623	TOBRAMYCIN OPHTHALMIC OINTMENT 0.3% 3.5GM TUBE
** 50001622	TOBRAMYCIN OPHTHALMIC SOLUTION 3MG/ML 5ML BOTTLE

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SECTION 141.1680
EYE/EAR/NOSE/THROAT: ANTI-INFLAMMATORY
EMERGENCY

Item Number	Drug Name and Strength
50000232	DEXAMETHASONE OPHTHALMIC SUSPENSION 0.1% 5ML BOTTLE
50000233	DEXAMETHASONE OPHTHALMIC SUSPENSION 0.1% 15ML BOTTLE
50000234	DEXAMETHASONE SODIUM PHOSPHATE OPHTHALMIC OINTMENT 0.05%
50000230	DEXAMETHASONE SODIUM PHOSPHATE OPHTHALMIC SOLUTION 0.1% 2.5ML
50000231	DEXAMETHASONE SODIUM PHOSPHATE OPHTHALMIC SOLUTION 0.1% 5ML
50000417	FLUOROMETHOLONE OPHTHALMIC OINT 0.1% 3.5GM
50000411	FLUOROMETHOLONE OPHTHALMIC SUSP 0.1% 5ML
50000413	FLUOROMETHOLONE OPHTHALMIC SUSP 0.1% 10ML
50000415	FLUOROMETHOLONE OPHTHALMIC SUSP 0.1% 15ML
00231074	H M S LIQUIFILM OPHTHALMIC SUSPENSION 5ML
00230074	H M S LIQUIFILM OPHTHALMIC SUSPENSION 10ML
** 01190801	OCUFEN LIQUIFILM 0.03% 2.5ML
** 01191801	OCUFEN LIQUIFILM 0.03% 5ML
** 01192801	OCUFEN LIQUIFILM 0.03% 10ML
50000904	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 0.12% 5ML
50000906	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 0.12% 10ML
50000900	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 0.125% 5ML
50000902	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 0.125% 10ML
50000908	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 1.0% 5ML
50000910	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 1.0% 10ML
50000911	PREDNISOLONE ACETATE OPHTHALMIC SUSPENSION 1.0% 15ML

SECTION 141.1720
EYE/EAR/NOSE/THROAT: ANTIVIRALS
EMERGENCY

Item Number	Drug Name and Strength
** 50000600	IDOXURIDINE OPHTHALMIC OINTMENT 0.5%
** 50000602	IDOXURIDINE OPHTHALMIC SOLUTION 0.1%
** 00713677	VIRA-A OPHTHALMIC OINTMENT 3% 3.5GM TUBE
** 00810968	VIROPTIC OPHTHALMIC SOLUTION 1% 7.5ML

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SECTION 141.1880 EYE/EAR/NOSE/THROAT: MIOTICS/GLAUCOMA
EMERGENCY (Cont'd)

Item Number	Drug Name and Strength
50000328	EPINEPHRINE (AS HCL) OPHTHALMIC SOLUTION 2.0% 15ML
** 00067742	FLOROPRYL OPHTHALMIC OINTMENT 0.025% 3.5GM TUBE
** 00063255	HUMORSOL OPHTHALMIC SOLUTION 0.125% 5ML
** 00063267	HUMORSOL OPHTHALMIC SOLUTION 0.25% 5ML
00461013	OPHTHALGAN SOLUTION 7.5ML
** 03039944	OPTIPRANOLOL OPHTHALMIC SOLN 0.3% 5ML
** 03038944	OPTIPRANOLOL OPHTHALMIC SOLN 0.3% 10ML
00230090	P V CARPINE OPHT SOLN 0.5% 15ML
00230091	P V CARPINE OPHT SOLN 1.0% 15ML
00230092	P V CARPINE OPHT SOLN 2.0% 25ML
00230093	P V CARPINE OPHT SOLN 3.0% 15ML
00230094	P V CARPINE OPHT SOLN 4.0% 15ML
00230096	P V CARPINE OPHT SOLN 6.0% 15ML
** 50000850	PILOCARPINE HCL OPHT SOLN 0.25% 10ML
** 50000852	PILOCARPINE HCL OPHT SOLN 0.5% 15ML
** 50000854	PILOCARPINE HCL OPHT SOLN 0.5% 30ML
** 50000856	PILOCARPINE HCL OPHT SOLN 1.0% 15ML
** 50000858	PILOCARPINE HCL OPHT SOLN 1.0% 30ML
** 50000860	PILOCARPINE HCL OPHT SOLN 1.5% 15ML
** 50000862	PILOCARPINE HCL OPHT SOLN 2.0% 15ML
** 50000864	PILOCARPINE HCL OPHT SOLN 2.0% 30ML
** 50000866	PILOCARPINE HCL OPHT SOLN 3.0% 15ML
** 50000868	PILOCARPINE HCL OPHT SOLN 3.0% 30ML
** 50000870	PILOCARPINE HCL OPHT SOLN 4.0% 15ML
** 50000872	PILOCARPINE HCL OPHT SOLN 4.0% 30ML
** 50000874	PILOCARPINE HCL OPHT SOLN 5.0% 15ML
** 50000876	PILOCARPINE HCL OPHT SOLN 6.0% 15ML
** 50000878	PILOCARPINE HCL OPHT SOLN 6.0% 30ML
** 50000880	PILOCARPINE HCL OPHT SOLN 8.0% 15ML
** 50000882	PILOCARPINE HCL OPHT SOLN 10.0% 15ML
** 00230160	PROPINE OPHTHALMIC SOLUTION 0.1% 5ML
** 00230260	PROPINE OPHTHALMIC SOLUTION 0.1% 10ML
** 00230360	PROPINE OPHTHALMIC SOLUTION 0.1% 15ML
** 50007404	TIMOLOL MALEATE OPTH SOLN 0.25% 0.45ML
** 50007405	TIMOLOL MALEATE OPTH SOLN 0.25% 5ML
** 50007406	TIMOLOL MALEATE OPTH SOLN 0.25% 10ML
** 50007409	TIMOLOL MALEATE OPTH SOLN 0.25% 15ML
** 50007411	TIMOLOL MALEATE OPTH SOLN 0.5% 0.45ML
** 50007407	TIMOLOL MALEATE OPTH SOLN 0.5% 5ML
** 50007408	TIMOLOL MALEATE OPTH SOLN 0.5% 10ML
** 50007410	TIMOLOL MALEATE OPTH SOLN 0.5% 15ML

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SECTION 141.1920 EYE/EAR/NOSE/THROAT: MISCELLANEOUS
EMERGENCY

Item Number	Drug Name and Strength
50000101	ACETIC ACID OTIC SOLUTION 2% 15ML
50000102	ACETIC ACID; HYDROCORTISONE OTIC SOLUTION 2%; 1% 10ML
02471806	ADSORBONAC 2.0% 15CC
02471807	ADSORBONAC 5.0% 15CC
50008900	CROMOLYN SODIUM OPHTHALMIC SOLUTION 4%
01250001	DEBROX EAR DROP
50004980	DEXAMETHASONE 0.1%; NEOMYCIN SULFATE 0.5%; POLYMYXIN B SULFATE 10,000U/GM OPTH OINT
50004982	DEXAMETHASONE 0.1%; NEOMYCIN SULFATE 0.5%; POLYMYXIN B SULFATE 10,000U/ML OPTH SUSP
00264312	DOMEBORO OTIC SOLUTION
** 50001630	NATAMYCIN OPHTHALMIC SUSPENSION 5% 15ML
** 60008022	OPHTHALMIC ANTIFUNGAL OINTMENT-NOT OTHERWISE LISTED - IF LAW REQUIRES RX
** 60008021	OPHTHALMIC ANTIFUNGAL-SOLUTION -SUSP-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
00267210	TRIDESILON OTIC SOLUTION 0.05% 10CC
SECTION 141.1960 EMERGENCY	EYE/EAR/NOSE/THROAT: MISCELLANEOUS ANTI-INFECTIVES

Item Number	Drug Name and Strength
00650502	OP-THAL-ZIN OPHT SOLN
SECTION 141.2000 EMERGENCY	EYE/EAR/NOSE/THROAT: MYDRIATICS
Item Number	Drug Name and Strength
50000509	ATROPINE SULFATE OPHT OINT 0.5% 3.5GM
50000510	ATROPINE SULFATE OPHT OINT 1.0% 3.5GM
50000040	ATROPINE SULFATE OPHTHALMIC SOLN 0.5% 5ML BOTTLE
50000042	ATROPINE SULFATE OPHTHALMIC SOLN 1.0% 15ML BOTTLE
50000041	ATROPINE SULFATE OPHTHALMIC SOLN 1.0% 5ML BOTTLE
50000043	ATROPINE SULFATE OPHTHALMIC SOLN 3.0% 5ML BOTTLE
00651358	CYCLOWYDRIL 2CC

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SECTION 141.2000 EYE/EAR/NOSE/THROAT: MYDRIATICS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
00650359	CYCLOMYDRIL 5CC
50000192	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 0.5% 15ML
50000190	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 0.5% 2ML
50000191	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 0.5% 5ML
50000195	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 1.0% 15ML
50000193	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 1.0% 2ML
50000194	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 1.0% 5ML
50000198	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 2.0% 15ML
50000196	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 2.0% 2ML
50000197	CYCLOPENTOLATE HCL OPHTHALMIC SOLUTION 2.0% 5ML
50000540	HOMATROPINE HBR OPHT SOLUTION 2.0% 15ML
50000514	HOMATROPINE HBR OPHT SOLUTION 2.0% 5ML
50000542	HOMATROPINE HBR OPHT SOLUTION 5.0% 15ML
50000515	HOMATROPINE HBR OPHT SOLUTION 5.0% 5ML
00651331	ISOPTO HYOSCINE 0.25% 5CC
00650331	ISOPTO HYOSCINE 0.25% 15CC
00650619	MYDRAPRED OPHT SUSP 5CC
50001310	TROPICAMIDE OPHTHALMIC SOLUTION 0.5%
50001312	TROPICAMIDE OPHTHALMIC SOLUTION 1.0%

SECTION 141.2040
EMERGENCY

EYE/EAR/NOSE/THROAT: SULFONAMIDES

Item Number	Drug Name and Strength
** 00041702	GANTRISIN OPHTHALMIC SOLN
** 50001090	SULFACETAMIDE SODIUM OPHTHALMIC OINTMENT 10.0%
** 50001094	SULFACETAMIDE SODIUM OPHTHALMIC SOLUTION 10.0% 15ML
** 50001092	SULFACETAMIDE SODIUM OPHTHALMIC SOLUTION 10.0% 5ML
** 50001098	SULFACETAMIDE SODIUM OPHTHALMIC SOLUTION 15.0% 15ML

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SECTION 141.2040 EYE/EAR/NOSE/THROAT: SULFONAMIDES (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50001096	SULFACETAMIDE SODIUM OPHTHALMIC SOLUTION 15.0% 5ML
** 50001100	SULFACETAMIDE SODIUM OPHTHALMIC SOLUTION 30.0% 15ML
** 00583883	VASOSULF OPHT SOLN 5CC
** 00582883	VASOSULF OPHT SOLN 15CC

SECTION 141.2080 EYE/EAR/NOSE/THROAT: SULFONAMIDE/ANTI-INFLAMMATORY
EMERGENCY

Item Number	Drug Name and Strength
00850695	METIMYD OPHT OINT 1/80Z
00850010	OPTIMYD OPHT SOLN 5CC
** 50003099	PREDNISOLONE ACETATE 0.5% SULFACETAMIDE SODIUM 10% OPHTH SUSP

SECTION 141.2120 EYE/EAR/NOSE/THROAT: TOPICAL DECONGESTANTS
EMERGENCY

Item Number	Drug Name and Strength
50004008	OXYMETAZOLINE HCL NASAL SOLN 0.025%
50004004	OXYMETAZOLINE HCL NASAL SOLN 0.05% 15ML
50004006	OXYMETAZOLINE HCL NASAL SOLN 0.05% 20ML
50008906	PHENYLEPHRINE HCL NASAL SOLN 0.125% 30ML
50008907	PHENYLEPHRINE HCL NASAL SOLN 0.250% 30CC
50008915	PHENYLEPHRINE HCL NASAL SOLN 0.500% 30CC
50008923	PHENYLEPHRINE HCL NASAL SOLN 1.000% 30CC
50008930	PHENYLEPHRINE HCL NASAL SPRAY 0.25% 20CC
50008931	PHENYLEPHRINE HCL NASAL SPRAY 0.5% 15ML

SECTION 141.2160
EMERGENCY

GASTROINTESTINAL: ANTACID/ADSORBENTS

Item Number	Drug Name and Strength
50003015	ALUM HYDROX 200MG/5ML; MAG HYDROX 200MG/5ML; SIMETHICONE 20MG/5ML
50004151	ALUM HYDROX 200MG/5ML; MAG HYDROX 200MG/5ML; SIMETHICONE 25MG/5ML

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SECTION 141.2160 GASTROINTESTINAL: ANTACID/ADSORBENTS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
50004153	ALUM HYDROX 225MG/5ML; MAG HYDROX 200MG/5ML; SIMETHICONE 25MG/5ML
50004157	ALUM HYDROX 400MG/5ML; MAG HYDROX 400MG/5ML; SIMETHICONE 30MG/5ML
50003017	ALUM HYDROX 400MG/5ML; MAG HYDROX 400MG/5ML; SIMETHICONE 40MG/5ML
50008095	ALUMINUM HYDROXIDE GEL 320MG/5ML SUSPENSION 480ML
50008079	ALUMINUM HYDROXIDE GEL TAB 300MG
50008087	ALUMINUM HYDROXIDE GEL TAB 600MG
50008080	ALUMINUM HYDROXIDE GEL 500MG
50008133	ALUMINUM HYDROXIDE 200MG; MAGNESIUM HYDROXIDE 200MG CHEW TABLET
50008168	ALUMINUM HYDROXIDE 225MG/5ML; MAGNESIUM HYDROXIDE 200MG/5ML SUSP 360ML
50008141	ALUMINUM HYDROXIDE 400MG; MAGNESIUM HYDROXIDE 400MG CHEW TABLET
50004159	ALUMINUM HYDROXIDE 600MG/5ML; MAGNESIUM HYDROXIDE 300MG/5ML SUSP
50003011	ALUMINUM HYDROXIDE 200MG; MAGNESIUM HYDROXIDE 200MG; SIMETHICONE 20MG TAB
50004149	ALUMINUM HYDROXIDE 200MG; MAGNESIUM HYDROXIDE 200MG; SIMETHICONE 25MG TAB
50004155	ALUMINUM HYDROXIDE 400MG; MAGNESIUM HYDROXIDE 40MG; SIMETHICONE 30MG TAB
50003013	ALUMINUM HYDROXIDE 400MG; MAGNESIUM HYDROXIDE 400MG; SIMETHICONE 40MG TAB
00080472	BASALJEL CAPSULE
00080474	BASALJEL SUSPENSION EXTRA STRENGTH 360CC
00080131	BASALJEL SUSPENSION 360CC
00080473	BASALJEL TABLET
00670180	CANALOX SUSPENSION 360CC SIZE
00670185	CANALOX TABLET 100 TABLET SIZE
00881175	GAVISCON TABLET 100'S
00881172	GAVISCON-2 TABLET 48'S
50002325	MAGALDRATE SUSPENSION 540MG/5ML 360ML
50002327	MAGALDRATE TABLET CHEW 480MG
50002329	MAGALDRATE TABLET SWALLOW 480MG

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SECTION 141.2200 GASTROINTESTINAL: ANTIDIARRHEA
EMERGENCY

Item Number	Drug Name and Strength
50002976	DIPHENOXYLATE HCL/ATROPINE LIQUID 2.5/0.025MG/5ML
50002974	DIPHENOXYLATE HCL/ATROPINE TAB/CAP 2.5/0.025MG
00313016	DONNAGEL SUSPENSION
00313083	DONNAGEL-PG SUSPENSION
50003112	KAOLIN-PECTIN SUSPENSION

SECTION 141.2240 GASTROINTESTINAL: ANTISPASMODICS
EMERGENCY

Item Number	Drug Name and Strength
50000506	ATROPINE SULFATE HT 0.3MG
50000507	ATROPINE SULFATE HT 0.4MG
50000508	ATROPINE SULFATE HT 0.6MG
50000787	ATROPINE SULFATE 0.4MG
50000036	ATROPINE SULFATE 0.4MG/ML 20ML VIAL
50000037	ATROPINE SULFATE 0.4MG/0.5ML AMP
50000038	ATROPINE SULFATE 0.5MG/ML 20ML VIAL
00141501	BANTHINE TABLET 50MG
50000892	BELLADONNA TINCTURE
50006440	PROPANTHELINE BROMIDE 7.5MG
50006442	PROPANTHELINE BROMIDE 15MG
50006446	PROPANTHELINE BROMIDE TD 30MG
50001818	PROPANTHELINE INJECTION 30MG VIAL

SECTION 141.2280 GASTROINTESTINAL: DIGESTANTS
EMERGENCY

Item Number	Drug Name and Strength
00631200	CREON CAPSULE
00315025	ENTOLASE CAPSULE
00315035	ENTOLASE-HP CAPSULE
02040095	PANCREASE CAPSULE/TABLET
00450341	PANCREASE MT 4 CAPSULE
00450342	PANCREASE MT 10 CAPSULE
00450343	PANCREASE MT 16 CAPSULE
50005805	PANCREATIN CAPSULE
50005806	PANCREATIN GRANULES 120GM
50005808	PANCREATIN TABLET

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SECTION 141.2280

GASTROINTESTINAL: DIGESTANTS (Cont'd)

SECTION 141.2360

GASTROINTESTINAL: LAXATIVES (Cont'd)

EMERGENCYEMERGENCY

Item Number Drug Name and Strength

Item Number Drug Name and Strength

50005809 PANCREATIN TABLET TRIPLE STRENGTH
50005807 PANCREATIN TABLET 325MG

DOCUSATE SODIUM CAPSULE 100MG
DOCUSATE SODIUM CAPSULE 240-250MG
DOCUSATE SODIUM SYRUP 20MG/5ML

SECTION 141.2320

GASTROINTESTINAL: EMETICS/ANTIEMETICS

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Item Number Drug Name and Strength

Item Number Drug Name and Strength

50002960 DIMENHYDRINATE INJ 50MG/ML 1ML AMP
50001867 DIMENHYDRINATE INJ 50MG/ML 1ML SYRINGE
50002962 DIMENHYDRINATE INJ 50MG/ML 5ML VIAL
50002964 DIMENHYDRINATE LIQUID 12.5MG/4ML
50002966 DIMENHYDRINATE SUPPOSITORY 100MG
50002968 DIMENHYDRINATE TAB/CAP 50MG
00496690 EMETE-CON INJECTION 50MG VIAL
EMETROL SOLUTION

MILK OF MAGNESIA TABLET 100'S
MILK OF MAGNESIA 360ML
MILK OF MAGNESIA 480ML
PSYLLIUM POWDER 420GM
PSYLLIUM POWDER 630GM
PSYLLIUM POWDER INSTANT MIX PACKET

**

00670240 MECLIZINE HCL 12.5MG
50003800 MECLIZINE HCL 25.0MG
50003802 PROCHLORPERAZINE SUPPOSITORY 2.5MG
50007355 PROCHLORPERAZINE SUPPOSITORY 25MG
50007357 PROCHLORPERAZINE SUPPOSITORY 5MG
50007356

ACTIGALL CAPSULE 300MG
AXID CAPSULE 150MG
AXID CAPSULE 300MG
CARAFATE TABLET 1GM
CYTOTEC TABLET 100MCG
CYTOTEC TABLET 200MCG

SECTION 141.2360

GASTROINTESTINAL: LAXATIVES

EMERGENCYEMERGENCY

Item Number Drug Name and Strength

Item Number Drug Name and Strength

50000924 BISACODYL SUPPOSITORY 10MG
50000920 BISACODYL TABLET 5MG
50000922 BISACODYL TABLET 10MG
50002324 CASANTHRANOL; DOCUSATE SODIUM CAPSULE 30MG;
100MG
CASANTHRANOL; DOCUSATE SODIUM SYRUP 10MG/5ML;
20MG/5ML

PEPCID INJECTION 20MG/2ML ONE DOSE VIAL
PEPCID INJECTION 20MG/2ML TWO DOSE VIAL
PEPCID SUSPENSION 40MG/5ML
PEPCID TABLET 20MG
PEPCID TABLET 40MG
PRILLOSEC CAPSULE 20MG
ROWASA RECTAL SUSPENSION ENEMA 4GM/60ML
TAGAMET INJECTION 300MG IN SODIUM CHLORIDE
0.9% 50ML PLASTIC CONTAINERS

00680418 CITRUCEL FIBER POWDER 480GM
00681418 CITRUCEL FIBER POWDER 900GM
00685418 CITRUCEL PACKET
00211001 COLYTE POWDER FOR RECONSTITUTION 1 GAL
00210001 COLYTE POWDER FOR RECONSTITUTION 2 LITER
00214401 COLYTE POWDER FOR RECONSTITUTION 4 LITER
50002291 DOCUSATE SODIUM CAPSULE 50MG

METOCLOPRAMIDE HCL SYRUP 5MG/5ML
METOCLOPRAMIDE HCL TABLET 5MG
METOCLOPRAMIDE HCL TABLET 10MG
PEPCID INJECTION 20MG/2ML ONE DOSE VIAL
PEPCID INJECTION 20MG/2ML TWO DOSE VIAL
PEPCID SUSPENSION 40MG/5ML
PEPCID TABLET 20MG
PEPCID TABLET 40MG
PRILLOSEC CAPSULE 20MG
ROWASA RECTAL SUSPENSION ENEMA 4GM/60ML
TAGAMET INJECTION 300MG IN SODIUM CHLORIDE
0.9% 50ML PLASTIC CONTAINERS
TAGAMET INJECTION 300MG/2ML 2ML VIAL
TAGAMET INJECTION 300MG/2ML 8ML VIAL
TAGAMET ORAL LIQUID 300MG/5ML
TAGAMET TABLET 200MG
TAGAMET TABLET 300MG
TAGAMET TABLET 400MG
TAGAMET TABLET 800MG
ZANTAC INJECTION 25MG/ML 2ML VIAL

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.2400 GASTROINTESTINAL: MISCELLANEOUS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
01730363	ZANTAC INJECTION 25MG/ML 10ML VIAL
01730383	ZANTAC SYRUP 15MG/ML
01730344	ZANTAC TABLET 150MG
01730393	ZANTAC TABLET 300MG

Item Number	Drug Name and Strength
** 00021450	GLUCAGON INJECTION 1MG W/DILUENT
** 00028030	GLUCAGON INJECTION 1MG W/DILUENT EMERGENCY KIT
** 00021451	GLUCAGON INJECTION 10MG W/DILUENT
00850205	PROGLYCEM CAPSULE 50MG
00850830	PROGLYCEM CAPSULE 100MG
00850426	PROGLYCEM SUSPENSION 50MG/ML

GLUCOSE ELEVATORS

SECTION 141.2440
EMERGENCY

Item Number	Drug Name and Strength
** 00021450	GLUCAGON INJECTION 1MG W/DILUENT
** 00028030	GLUCAGON INJECTION 1MG W/DILUENT EMERGENCY KIT
** 00021451	GLUCAGON INJECTION 10MG W/DILUENT
00850205	PROGLYCEM CAPSULE 50MG
00850830	PROGLYCEM CAPSULE 100MG
00850426	PROGLYCEM SUSPENSION 50MG/ML

SECTION 141.2480 HOMEOSTATIC/NUTRITIONAL: ACIDIFIERS
EMERGENCY

Item Number	Drug Name and Strength
50000329	AMMONIUM CHLORIDE E C TAB 500MG
50000337	AMMONIUM CHLORIDE E C TAB 1GM
04861111	K-PHOS TABLET

SECTION 141.2520 HOMEOSTATIC/NUTRITIONAL: ALKALINIZERS
EMERGENCY

Item Number	Drug Name and Strength
** 50004948	SODIUM BICARBONATE INJ 7.5% 50ML AMP
** 50004947	SODIUM BICARBONATE INJ 7.5% 50ML SYRINGE
** 50004949	SODIUM BICARBONATE INJ 8.4% 10ML SYRINGE
** 50004950	SODIUM BICARBONATE INJ 8.4% 50ML SYRINGE
** 50005600	SODIUM BICARBONATE INJ 8.4% 50ML VIAL

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NOTICE OF EMERGENCY REPEALER

SECTION 141.2560 HOMEOSTATIC/NUTRITIONAL: AMMONIA DETOXICANTS
EMERGENCY

Item Number	Drug Name and Strength
50003114	LACTULOSE 10GM/15ML
50003863	NEOMYCIN ORAL SOLUTION 125MG/5CC
50003862	NEOMYCIN ORAL TABLET 500MG

SECTION 141.2600 HOMEOSTATIC/NUTRITIONAL: INSULIN
EMERGENCY

Item Number	Drug Name and Strength
** 00031834	INSULIN NOVOLIN N PENFILL 1000U/ML
** 00031833	1.5ML (150U) CARTRIDGE
** 00031837	INSULIN NOVOLIN R PENFILL 1000U/ML
** 00031837	1.5ML (150U) CARTRIDGE
** 50005100	INSULIN NOVOLIN 70/30 PENFILL 1000U/ML
** 50005100	1.5ML (150U) CARTRIDGE
** 50005102	INSULIN U-100 HUMAN BR 10ML 1 VIAL
** 50005104	RECOMBINANT, BIOSYNTHETIC
** 50005106	INSULIN U-100 HUMAN BR 10ML 2 VIALS
** 50005108	RECOMBINANT, BIOSYNTHETIC
** 50005110	INSULIN U-100 HUMAN BR 10ML 3 VIALS
** 50005200	RECOMBINANT, BIOSYNTHETIC
** 50005202	INSULIN U-100 HUMAN LENTE 10ML 1 VIAL
** 50005204	RECOMBINANT, SEMI-SYNTHETIC
** 50005112	INSULIN U-100 HUMAN LENTE 10ML 2 VIALS
** 50005114	RECOMBINANT, SEMI-SYNTHETIC
** 50005116	INSULIN U-100 HUMAN NPH 10ML 1 VIAL
** 50005206	RECOMBINANT, BIOSYNTHETIC
** 50005206	INSULIN U-100 HUMAN NPH 10ML 1 VIAL
** 50005206	RECOMBINANT, SEMI-SYNTHETIC
** 50005112	INSULIN U-100 HUMAN NPH 10ML 1 VIAL
** 50005114	RECOMBINANT, BIOSYNTHETIC
** 50005116	INSULIN U-100 HUMAN NPH 10ML 2 VIALS
** 50005116	RECOMBINANT, BIOSYNTHETIC
** 50005116	INSULIN U-100 HUMAN NPH 10ML 3 VIALS
** 50005116	RECOMBINANT, BIOSYNTHETIC
** 50005206	INSULIN U-100 HUMAN NPH 10ML 1 VIAL
** 50005206	RECOMBINANT, SEMI-SYNTHETIC

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NOTICE OF EMERGENCY REPEALER

SECTION 141.2600
EMERGENCYHOMEOSTATIC/NUTRITIONAL:
(Cont'd)SECTION 141.2600
EMERGENCYHOMEOSTATIC/NUTRITIONAL:
(Cont'd)

Item Number	Drug Name and Strength
** 50005208	INSULIN U-100 HUMAN NPH 10ML 2 VIALS
** 50005210	RECOMBINANT, SEMI-SYNTHETIC
** 50005210	INSULIN U-100 HUMAN NPH 10ML 3 VIALS
** 50005118	RECOMBINANT, SEMI-SYNTHETIC
** 50005118	INSULIN U-100 HUMAN REG 10ML 1 VIAL
** 50005120	RECOMBINANT, BIOSYNTHETIC
** 50005120	INSULIN U-100 HUMAN REG 10ML 2 VIALS
** 50005122	RECOMBINANT, BIOSYNTHETIC
** 50005122	INSULIN U-100 HUMAN REG 10ML 3 VIALS
** 50005212	RECOMBINANT, BIOSYNTHETIC
** 50005212	INSULIN U-100 HUMAN REG 10ML 1 VIAL
** 50005214	RECOMBINANT, SEMI-SYNTHETIC
** 50005214	INSULIN U-100 HUMAN REG 10ML 2 VIALS
** 50005216	RECOMBINANT, SEMI-SYNTHETIC
** 50005216	INSULIN U-100 HUMAN REG 10ML 3 VIALS
** 50005128	RECOMBINANT, SEMI-SYNTHETIC
** 50005128	INSULIN U-100 HUMAN ULTRA 10ML 1 VIAL
** 50005130	RECOMBINANT, BIOSYNTHETIC
** 50005130	INSULIN U-100 HUMAN ULTRA 10ML 2 VIALS
** 50005132	RECOMBINANT, BIOSYNTHETIC
** 50005132	INSULIN U-100 HUMAN ULTRA 10ML 3 VIALS
** 50005136	RECOMBINANT, BIOSYNTHETIC
** 50005136	INSULIN U-100 HUMAN 70/30 10ML 1 VIAL
** 50005138	RECOMBINANT, BIOSYNTHETIC
** 50005138	INSULIN U-100 HUMAN 70/30 10ML 2 VIALS
** 50005140	RECOMBINANT, BIOSYNTHETIC
** 50005140	INSULIN U-100 HUMAN 70/30 10ML 3 VIALS
** 50005218	RECOMBINANT, BIOSYNTHETIC
** 50005218	INSULIN U-100 HUMAN 70/30 10ML 1 VIAL
** 50005220	RECOMBINANT, SEMI-SYNTHETIC
** 50005220	INSULIN U-100 HUMAN 70/30 10ML 2 VIALS
** 50005222	RECOMBINANT, SEMI-SYNTHETIC
** 50005222	INSULIN U-100 HUMAN 70/30 10ML 3 VIALS
** 50003483	RECOMBINANT, SEMI-SYNTHETIC
** 50003483	INSULIN U100 PURIFIED BEEF LENTE - 1 VIAL
** 50007232	INSULIN U100 PURIFIED BEEF LENTE - 2 VIALS
** 50007233	INSULIN U100 PURIFIED BEEF LENTE - 3 VIALS
** 50007299	INSULIN U100 PURIFIED BEEF NPH - 1 VIAL
** 50007300	INSULIN U100 PURIFIED BEEF NPH - 2 VIALS
** 50007301	INSULIN U100 PURIFIED BEEF NPH - 3 VIALS
** 50007151	INSULIN U100 PURIFIED BEEF PZ - 1 VIAL
** 50007145	INSULIN U100 PURIFIED BEEF PZ - 2 VIALS
** 50007153	INSULIN U100 PURIFIED BEEF PZ - 3 VIALS

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NOTICE OF EMERGENCY REPEALER

SECTION 141.2600
EMERGENCYHOMEOSTATIC/NUTRITIONAL:
(Cont'd)

Item Number	Drug Name and Strength
** 50003484	INSULIN U100 PURIFIED BEEF REGULAR - 1 VIAL
** 50007234	INSULIN U100 PURIFIED BEEF REGULAR - 2 VIALS
** 50007235	INSULIN U100 PURIFIED BEEF REGULAR - 3 VIALS
** 50003485	INSULIN U100 PURIFIED PORK LENTE - 1 VIAL
** 50007238	INSULIN U100 PURIFIED PORK LENTE - 2 VIALS
** 50007239	INSULIN U100 PURIFIED PORK LENTE - 3 VIALS
** 50007302	INSULIN U100 PURIFIED PORK NPH - 1 VIAL
** 50007303	INSULIN U100 PURIFIED PORK NPH - 2 VIALS
** 50007304	INSULIN U100 PURIFIED PORK NPH - 3 VIALS
** 50007341	INSULIN U100 PURIFIED PORK PZ - 1 VIAL
** 50007342	INSULIN U100 PURIFIED PORK PZ - 2 VIALS
** 50007343	INSULIN U100 PURIFIED PORK PZ - 3 VIALS
** 50003486	INSULIN U100 PURIFIED PORK REGULAR - 1 VIAL
** 50007240	INSULIN U100 PURIFIED PORK REGULAR - 2 VIALS
** 50007241	INSULIN U100 PURIFIED PORK REGULAR - 3 VIALS
** 50005411	INSULIN U100 PURIFIED PORK 70/30 - 1 VIAL
** 50005413	INSULIN U100 PURIFIED PORK 70/30 - 2 VIALS
** 50005414	INSULIN U100 PURIFIED PORK 70/30 - 3 VIALS
** 50007290	INSULIN U100 STANDARD LENTE - 1 VIAL
** 50007291	INSULIN U100 STANDARD LENTE - 2 VIALS
** 50007292	INSULIN U100 STANDARD LENTE - 3 VIALS
** 50008100	INSULIN U100 STANDARD NPH - 1 VIAL
** 50007228	INSULIN U100 STANDARD NPH - 2 VIALS
** 50007229	INSULIN U100 STANDARD NPH - 3 VIALS
** 50007287	INSULIN U100 STANDARD PZ - 1 VIAL
** 50007288	INSULIN U100 STANDARD PZ - 2 VIALS
** 50007289	INSULIN U100 STANDARD PZ - 3 VIALS
** 50007100	INSULIN U100 STANDARD REGULAR - 1 VIAL
** 50007230	INSULIN U100 STANDARD REGULAR - 2 VIALS
** 50007231	INSULIN U100 STANDARD REGULAR - 3 VIALS
** 50007293	INSULIN U100 STANDARD SEMI-LENTE - 1 VIAL
** 50007294	INSULIN U100 STANDARD SEMI-LENTE - 2 VIALS
** 50007295	INSULIN U100 STANDARD SEMI-LENTE - 3 VIALS
** 50007296	INSULIN U100 STANDARD ULTRA-LENTE - 1 VIAL
** 50007297	INSULIN U100 STANDARD ULTRA-LENTE - 2 VIALS
** 50007298	INSULIN U100 STANDARD ULTRA-LENTE - 3 VIALS
** 60009927	INSULIN U100, U500 NOT OTHERWISE LISTED (INCLUDING HUMAN)--GIVE FULL DESCRIPTION

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NOTICE OF EMERGENCY REPEALER

SECTION 141.2640 HOMEOSTATIC/NUTRITIONAL: IV FLUIDS
EMERGENCY

Item Number	Drug Name and Strength
50000084	DEXTROSE INJECTION 50% 50ML AMP/VIAL
50000085	DEXTROSE INJECTION 50% 50ML SYRINGE
50001553	IV SOLN-DEXTROSE 5% IN WATER 250ML
50001447	IV SOLN-DEXTROSE 5% 0.50L
50001448	IV SOLN-DEXTROSE 5% 1.00L
50001451	IV SOLN-DEXTROSE 5% LACTATED RINGER 0.50L
50001452	IV SOLN-DEXTROSE 5% LACTATED RINGER 1.00L
50001453	IV SOLN-DEXTROSE 5% NAACL 0.20% 0.50L
50001454	IV SOLN-DEXTROSE 5% NAACL 0.20% 1.00L
50001454	IV SOLN-DEXTROSE 5% NAACL 0.45% 0.50L
50001457	IV SOLN-DEXTROSE 5% NAACL 0.45% 1.00L
50001458	IV SOLN-DEXTROSE 5% NAACL 0.90% 0.50L
50001459	IV SOLN-DEXTROSE 5% NAACL 0.90% 1.00L
50001460	IV SOLN-DEXTROSE 5% NAACL 0.90% 1.00L
50001551	IV SOLN-DEXTROSE 5% PIGGY-BACK 100ML
50001550	IV SOLN-DEXTROSE 5% PIGGY-BACK 50ML
50001461	IV SOLN-DEXTROSE 5% RINGERS 0.50L
50001462	IV SOLN-DEXTROSE 5% RINGERS 1.00L
50001465	IV SOLN-DEXTROSE 10% NAACL 0.9% 1.00L
50001463	IV SOLN-DEXTROSE 10% 0.50L
50001464	IV SOLN-DEXTROSE 10% 1.00L
50001483	IV SOLN-LACTATED RINGERS 0.50L
50001484	IV SOLN-LACTATED RINGERS 1.00L
50001486	IV SOLN-MANNITOL 10% 0.50L
50001487	IV SOLN-MANNITOL 10% 1.00L
50001490	IV SOLN-MANNITOL 20% 0.25L
50001491	IV SOLN-MANNITOL 20% 0.50L
50001523	IV SOLN-RINGERS 0.50L
50001524	IV SOLN-RINGERS 1.00L
50001526	IV SOLN-SODIUM CHLORIDE 0.45% 1.00L
50001552	IV SOLN-SODIUM CHLORIDE 0.9% 250ML
50001557	IV SOLN-SODIUM CHLORIDE 0.9% 0.50L
50001528	IV SOLN-SODIUM CHLORIDE 0.9% 1.00L
50001561	IV SOLN-SODIUM CHLORIDE 0.9% 100ML
50001560	IV SOLN-SODIUM CHLORIDE 0.9% 50ML

SECTION 141.2680 HOMEOSTATIC/NUTRITIONAL: ORAL HYPOGLYCEMICS
EMERGENCY

Item Number	Drug Name and Strength
50002623	ACETOHEXAMIDE TABLET 250MG
50002625	ACETOHEXAMIDE TABLET 500MG
50005427	CHLORPROPAMIDE TABLET 100MG

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY REPEALER

SECTION 141.2680 HOMEOSTATIC/NUTRITIONAL: ORAL HYPOGLYCEMICS
EMERGENCY

Item Number	Drug Name and Strength
50005429	CHLORPROPAMIDE TABLET 250MG
500022103	DYMELOR TABLET 250MG
500022107	DYMELOR TABLET 500MG
50005810	GLIPIZIDE TABLET 5MG
50005812	GLIPIZIDE TABLET 10MG
50005931	GLYBURIDE TABLET 1.25MG
50005933	GLYBURIDE TABLET 2.50MG
50005935	GLYBURIDE TABLET 5.00MG
50007306	TOLBUTAMIDE TABLET 250MG
50007308	TOLBUTAMIDE TABLET 500MG
50003295	TOLAZAMIDE TABLET 100MG
50003297	TOLAZAMIDE TABLET 250MG
50003299	TOLAZAMIDE TABLET 500MG

SECTION 141.2720 HOMEOSTATIC/NUTRITIONAL: VITAMINS
EMERGENCY

Item Number	Drug Name and Strength
00180837	INFALYTE POWDER 6GM PACKETS
00741234	PEDIALYTE ORAL ELECTROLYTE MAINTENANCE SOLUTION 960ML
00080625	RESOL ORAL ELECTROLYTE SOLUTION 960ML
00040143	ROCALTROL CAPSULE 0.25MCG
00040144	ROCALTROL CAPSULE 0.50MCG
50006602	VITAMIN B-6 25MG
50006610	VITAMIN B-6 50MG
50002546	VITAMIN B-6 100MG
50008834	VITAMIN PREP - PEDIATRIC DROPS
50008958	VITAMIN PREP - PRENATAL OTC(NON-RX)
50004795	VITAMIN PREP - PRENATAL RX ONLY

SECTION 141.2760 HORMONES/AGENTS AFFECTING MECHANISMS:
EMERGENCY

Item Number	Drug Name and Strength
50000118	DEXAMETHASONE ACETATE 8MG/ML 1ML VIAL
50000076	DEXAMETHASONE ACETATE 8MG/ML 5ML VIAL
50003536	DEXAMETHASONE ORAL SOLUTION 0.5MG/0.5ML 30ML
50003538	DEXAMETHASONE ORAL SOLUTION 0.5MG/5ML

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SECTION 141.2760
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
ADRENAL CORTICAL STEROIDS (Cont'd)

Item Number	Drug Name and Strength
** 50000079	DEXAMETHASONE PHOSPHATE INJ 4MG/ML 1ML V
** 50000080	DEXAMETHASONE PHOSPHATE INJ 4MG/ML 5ML V
** 50000081	DEXAMETHASONE PHOSPHATE INJ 4MG/ML 25ML
** 50001019	DEXAMETHASONE PHOSPHATE INJ 24MG/ML 5ML
** 50001020	DEXAMETHASONE PHOSPHATE INJ 24MG/ML 10ML
** 50001908	DEXAMETHASONE TABLET 0.25MG
** 50001909	DEXAMETHASONE TABLET 0.50MG
** 50001910	DEXAMETHASONE TABLET 0.75MG
** 50001913	DEXAMETHASONE TABLET 1.0MG
** 50001911	DEXAMETHASONE TABLET 1.5MG
** 50001915	DEXAMETHASONE TABLET 2.0MG
** 50001912	DEXAMETHASONE TABLET 4.0MG
** 00030429	FLORINEF ACETATE TABLET 0.1MG
** 50003460	HYDROCORTISONE ACETATE INJ 25MG/ML 5ML V
** 50003461	HYDROCORTISONE ACETATE INJ 50MG/ML 5ML V
** 50003463	HYDROCORTISONE PHOS INJ 50MG/ML 2ML SYRINGE
** 50003462	HYDROCORTISONE PHOS INJ 50MG/ML 2ML VIAL
** 50003465	HYDROCORTISONE PHOS INJ 50MG/ML 10ML VIAL
** 50003466	HYDROCORTISONE SOD SUCCINATE 100MG VIAL
** 50003467	HYDROCORTISONE SOD SUCCINATE 250MG VIAL
** 50003468	HYDROCORTISONE SOD SUCCINATE 500MG VIAL
** 50003469	HYDROCORTISONE SOD SUCCINATE 1000MG VIAL
** 50003121	HYDROCORTISONE TABLET 5MG
** 50003123	HYDROCORTISONE TABLET 10MG
** 50003131	HYDROCORTISONE TABLET 20MG
** 00332906	NASALIDE SOLUTION 0.025% 25ML UNIT
** 50001271	PREDNISOLONE SODIUM PHOSPHATE ORAL LIQ 6.7MG/5ML (5MG PREDNISOLONE BASE/5ML)
** 40001120	PREDNISONE ORAL SOLUTION 5MG/ML 30ML
** 40003001	PREDNISONE ORAL SOLUTION 5MG/5ML
** 50004788	PREDNISONE TABLET 1.0MG
** 50004789	PREDNISONE TABLET 2.5MG
** 50004790	PREDNISONE TABLET 5.0MG
** 50004791	PREDNISONE TABLET 10.0MG
** 50004792	PREDNISONE TABLET 20.0MG
** 50004793	PREDNISONE TABLET 50.0MG
** 00251401	ANAVAR TAB 2.5MG

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SECTION 141.2840
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
ANDROGENS

Item Number	Drug Name and Strength
50003041	DANAZOL CAPSULE 50MG
50003043	DANAZOL CAPSULE 100MG
50003045	DANAZOL CAPSULE 200MG
50003028	FLUOXIMESTERONE TABLET 2MG
50003030	FLUOXIMESTERONE TABLET 5MG
50003032	FLUOXIMESTERONE TABLET 10MG
50003793	METHYLTESTOSTERONE TAB ORAL/BUCCAL 5MG
50003794	METHYLTESTOSTERONE TAB ORAL/BUCCAL 10MG
50003808	METHYLTESTOSTERONE TAB ORAL/BUCCAL 25MG
** 00332260	SYNAREL NASAL SPRAY 2MG/ML 10ML
50005613	TESTOSTERONE INJECTION 25MG/ML 10ML VIAL
50005614	TESTOSTERONE INJECTION 50MG/ML 10ML VIAL
50005615	TESTOSTERONE INJECTION 100MG/ML 10ML

SECTION 141.2880
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
ANTITHYROID

Item Number	Drug Name and Strength
** 50004960	PROPYLTHIOURACIL TABLET 50MG
** 00021094	TAPAZOLE TABLET 5MG
** 00021095	TAPAZOLE TABLET 10MG

SECTION 141.2920
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
ESTROGENS/PROGESTINS

Item Number	Drug Name and Strength
50002490	CHLOROTRIANISENE TAB/CAP 12MG
50002490	CHLOROTRIANISENE TAB/CAP 12MG
50002492	CHLOROTRIANISENE TAB/CAP 25MG
50002494	CHLOROTRIANISENE TAB/CAP 72MG
50002097	DIETHYLSTILBESTROL TABLET EC 1.0MG
50002119	DIETHYLSTILBESTROL TABLET EC 5.0MG
50002089	DIETHYLSTILBESTROL TABLET 1.0MG
50002100	DIETHYLSTILBESTROL TABLET 5.0MG
** 00870755	ESTRACE TABLET 1.0MG
** 00870756	ESTRACE TABLET 2.0MG
50003413	ESTRADIOL AQUEOUS 0.22MG/1ML 10ML VIAL
50003414	ESTRADIOL AQUEOUS 0.44MG/1ML 10ML VIAL
50003415	ESTRADIOL AQUEOUS 1.0 MG/1ML 10ML VIAL

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SECTION 141.2920
EMERGENCYHORMONES/AGENTS AFFECTING MECHANISMS:
ESTROGENS/PROGESTINS (Cont'd)

Item Number	Drug Name and Strength
50003416	ESTRADIOL AQUEOUS 1.1MG/1ML 10ML VIAL
50003418	ESTRADIOL CYPIONATE INJ 5MG/ML 10ML VIAL
50003420	ESTRADIOL CYPIONATE INJ 5MG/ML 5ML VIAL
50001286	ESTRADIOL TRANSDERMAL PATCH 0.05MG 10CM2
50001288	ESTRADIOL TRANSDERMAL PATCH 0.1MG 20CM2
50003421	ESTRADIOL VALERATE 10MG/ML 1ML VIAL
50003422	ESTRADIOL VALERATE 10MG/ML 5ML VIAL
50003423	ESTRADIOL VALERATE 20MG/ML 1ML SYRINGE
50003424	ESTRADIOL VALERATE 20MG/ML 5ML VIAL
50003425	ESTRADIOL VALERATE 40MG/ML 5ML VIAL
00321014	ESTRATAB TABLET 0.3MG
00321022	ESTRATAB TABLET 0.625MG
00321024	ESTRATAB TABLET 1.25MG
00321025	ESTRATAB TABLET 2.5MG
50003426	ESTROGENIC SUBSTANCE AQ INJ 2MG/ML 10ML
50003528	ESTROGENIC SUBSTANCE AQ INJ 5MG/ML 10ML
50003082	HYDROXYPROGESTERONE CAPROATE 125MG/ML 2ML VIAL
50003084	HYDROXYPROGESTERONE CAPROATE 125MG/ML 10ML VIAL
50003086	HYDROXYPROGESTERONE CAPROATE 250MG/ML 1ML SYRINGE
50003088	HYDROXYPROGESTERONE CAPROATE 250MG/ML 5ML VIAL
50003888	MEDROXYPROGESTERONE ACETATE 2.5MG TA/CA
50002545	MEDROXYPROGESTERONE ACETATE TAB 5MG
50003890	MEDROXYPROGESTERONE ACETATE 10MG TAB/CAP
00292800	MENEST TABLET 0.3MG
00292810	MENEST TABLET 0.625MG
00292820	MENEST TABLET 1.25MG
00292830	MENEST TABLET 2.5MG
00743943	OGEN TABLET 0.625MG
00743946	OGEN TABLET 1.25MG
00743951	OGEN TABLET 2.5MG
00743958	OGEN TABLET 5MG
00460552	PREMARIN INJECTION 25MG W DILUENT
00460868	PREMARIN TABLET 0.3MG
00460867	PREMARIN TABLET 0.625MG
00460864	PREMARIN TABLET 0.9MG
00460866	PREMARIN TABLET 1.25MG
00460865	PREMARIN TABLET 2.5MG
50004925	PROGESTERONE INJECT IN OIL 25MG/ML 10ML
50004926	PROGESTERONE INJECT IN OIL 50MG/ML 5ML

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NOTICE OF EMERGENCY REPEALER

SECTION 141.2920
EMERGENCYHORMONES/AGENTS AFFECTING MECHANISMS:
ESTROGENS/PROGESTINS (Cont'd)

Item Number	Drug Name and Strength
50004927	PROGESTERONE INJECT IN OIL 50MG/ML 10ML
** 50000641	RITODRINE HCL INJECTION 10MG/ML 5ML AMP
** 50000643	RITODRINE HCL INJECTION 15MG/ML 10ML SYRINGE
** 50000645	RITODRINE HCL TABLET 10MG
SECTION 141.2960 EMERGENCY	HORMONES/AGENTS AFFECTING MECHANISMS: CONTRACEPTIVES
Item Number	Drug Name and Strength
** 00140151	DEMULEN 1/35-21
** 00141115	DEMULEN 1/35-21 - REFILL
** 00140161	DEMULEN 1/35-28
** 00141161	DEMULEN 1/35-28 - REFILL
** 00140071	DEMULEN-21
** 00140171	DEMULEN-21 - REFILL
** 00141071	DEMULEN-28
** 00141171	DEMULEN-28 - REFILL
** 00250051	ENOVID TABLET 5MG
** 00140051	ENOVID TABLET 5MG - CALENDAR PACK
** 00250101	ENOVID TABLET 10MG
** 00251131	ENOVID-E-21 TABLET 2.5MG
** 00140131	ENOVID-E-21 TABLET 2.5MG - REFILL
** 50006800	ETHINYL ESTRADIOL 0.035MG;
** 50006802	NORETHINDRONE 0.5MG TABLET 21 DAY
** 50006804	ETHINYL ESTRADIOL 0.035MG;
** 50006806	NORETHINDRONE 0.5MG TABLET 28 DAY
** 04190410	ETHINYL ESTRADIOL 0.035MG;
** 04190411	NORETHINDRONE 1MG TABLET 21 DAY
** 00080078	ETHINYL ESTRADIOL 0.035MG;
** 00082514	NORETHINDRONE 1MG TABLET 28 DAY
** 00710913	LEVLEN TABLETS 21'S
** 00710917	LEVLEN TABLETS 28'S
** 00710915	LO/OVRAL TABLET-21
** 00710915	LO/OVRAL TABLET-21 - 3 PACK
** 00710917	LOESTRIN FE 1.0/20
** 00710917	LOESTRIN FE 1.0/20 - REFILL
** 00710917	LOESTRIN FE 1.5/30
** 00710917	LOESTRIN FE 1.5/30 - REFILL
** 00710915	LOESTRIN 21 1.0/20
** 00710915	LOESTRIN 21 1.0/20 - REFILL

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SECTION 141.2960
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS: ORAL
CONTRACEPTIVES (Cont'd)

Drug Name and Strength

Item Number

** 00710916 LOESTRIN 21 1.5/30
** 07100916 LOESTRIN 21 1.5/30 - REFILL
** 50006810 MESTRANOL 0.05MG;
NORETHINDRONE 1MG TABLET 21 DAY
** 50006812 MESTRANOL 0.05MG;
NORETHINDRONE 1MG TABLET 28 DAY
** 00621410 MICRONOR TABLET 0.35MG
** 00470941 NELOVA TABLET 10/11-21
** 00470944 NELOVA TABLET 10/11-28
** 00332107 NOR-QD TABLET
** 00080075 NORDETTE-21 TABLET
** 00082533 NORDETTE-28 TABLET
** 00140221 NORETHIN TABLET 1/35E-21
** 00332102 NORINYL TABLET 1 PLUS 80-21 DAY
** 04298723 NORINYL TABLET 1 PLUS 80-21 DAY - REFILL
** 00333102 NORINYL TABLET 1 PLUS 80-28 DAY
** 04298724 NORINYL TABLET 1 PLUS 80-28 DAY - REFILL
** 00332103 NORINYL TABLET 2MG
** 04298720 NORINYL TABLET 2MG - REFILL
** 00710905 NORLESTRIN FE 1/50
** 07100905 NORLESTRIN FE 1/50 - REFILL
** 00710907 NORLESTRIN FE 2.5/50
** 07100907 NORLESTRIN FE 2.5/50 - REFILL
** 00710904 NORLESTRIN 21 1/50
** 07100904 NORLESTRIN 21 1/50 - REFILL
** 00710901 NORLESTRIN 21 2.5/50
** 07100901 NORLESTRIN 21 2.5/50 - REFILL
** 00710903 NORLESTRIN 28 1/50
** 07100903 NORLESTRIN 28 1/50 - REFILL
** 60009903 ORAL CONTRACEPTIVES - PRODUCTS NOT OTHERWISE LISTED - LIST NAME AND MFG
** 00621900 ORTHO-CYCLEN TABLET 21 DAY
** 00621901 ORTHO-CYCLEN TABLET 28 DAY
** 00621350 ORTHO-NOVUM 2MG TAB
** 00621390 ORTHO-NOVUM 1/80 TAB 21'S
** 00621391 ORTHO-NOVUM 1/80 TAB 28'S
** 01071770 ORTHO-NOVUM 10/11 TAB 21'S
** 00621770 ORTHO-NOVUM 10/11 TAB 21'S - REFILL
** 01071771 ORTHO-NOVUM 10/11 TAB 28'S
** 00621771 ORTHO-NOVUM 10/11 TAB 28'S - REFILL
** 00621370 ORTHO-NOVUM 10MG TAB
** 01071780 ORTHO-NOVUM 7/7/7 21'S
** 00621780 ORTHO-NOVUM 7/7/7 21'S - REFILL

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SECTION 141.2960
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS: ORAL
CONTRACEPTIVES (Cont'd)

Drug Name and Strength

Item Number

** 01071781 ORTHO-NOVUM 7/7/7 28'S
** 00621781 ORTHO-NOVUM 7/7/7 28'S - REFILL
** 00870583 OVCON-35 TABLET (21)
** 00870578 OVCON-35 TABLET (28)
** 00870584 OVCON-50 TABLET (21)
** 00870579 OVCON-50 TABLET (28)
** 00080056 OVRAL TABLET 21'S
** 00081056 OVRAL TABLET 21'S - 3 PACK
** 00082511 OVRAL TABLET 28'S
** 00080062 OVRETTE TABLET 28'S
** 00141401 OVULEN-21 TABLET
** 00143401 OVULEN-21 TABLET - REFILL
** 00142401 OVULEN-28 TABLET
** 00140421 OVULEN-28 TABLET - REFILL
** 04190430 TRI-LEVLEN TABLETS 21'S
** 04190431 TRI-LEVLEN TABLETS 28'S
** 00333201 TRI-NORINYL TABLETS 21'S
** 04298719 TRI-NORINYL TABLETS 21'S - REFILL
** 00333211 TRI-NORINYL TABLETS 28'S
** 04298718 TRI-NORINYL TABLETS 28'S - REFILL
** 00082535 TRI-PHASIL TABLETS 21'S
** 00083535 TRI-PHASIL TABLETS 21'S - REFILL
** 00082536 TRI-PHASIL TABLETS 28'S
** 00083536 TRI-PHASIL TABLETS 28'S - REFILL

SECTION 141.3000
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
OXYTOCICS

Item Number

Drug Name and Strength

** 50002585 ERGONOINE MALEATE TABLET 0.2MG
** 00780054 METHERGINE TABLET 0.2MG
00781061 SYNTOCINON NASAL SPRAY 40IU/CC 2CC SIZE
00780061 SYNTOCINON NASAL SPRAY 40IU/CC 5CC SIZE

SECTION 141.3040
EMERGENCY

HORMONES/AGENTS AFFECTING MECHANISMS:
PARATHYROID

Item Number

Drug Name and Strength

** 00531305 CALCIMAR 400 MRC UNIT/2ML VIAL
** 01490457 DIDRONEL INJECTION 50MG/ML 6ML AMP

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SECTION 141.3040
EMERGENCY
 HORMONES/AGENTS AFFECTING MECHANISMS:
 PARATHYROID (Cont'd)

Item Number	Drug Name and Strength
** 37000402	DIDRONEL TABLET 200MG
** 01490406	DIDRONEL TABLET 400MG
** 50002951	DIHYDROTACHYSTEROL ORAL SOLN 0.2MG/ML
** 50002953	DIHYDROTACHYSTEROL ORAL SOLN 0.2MG/5ML
** 50002948	DIHYDROTACHYSTEROL SOLN 0.25MG/ML
** 50002950	DIHYDROTACHYSTEROL TAB/CAP 0.125MG
** 50002952	DIHYDROTACHYSTEROL TAB/CAP 0.200MG
** 50002954	DIHYDROTACHYSTEROL TAB/CAP 0.400MG

SECTION 141.3080
EMERGENCY
 HORMONES/AGENTS AFFECTING MECHANISMS:
 PITUITARY

Item Number	Drug Name and Strength
** 00752451	DDAVP INJECTION 4MCG/ML 1ML AMP
** 00752550	DDAVP NASAL SOLUTION 0.01% 2.5ML VIAL
** 00752450	DDAVP NASAL SOLUTION 0.01% 5ML BOTTLE
** 00781042	DIAPID NASAL SPRAY 8CC
** 00711209	PITRESSIN AQ INJ 10U/0.5ML AMP
** 00711194	PITRESSIN AQ INJ 20U/1.0ML AMP
** 00711273	PITRESSIN TANNATE/OIL INJ 50/ML
** 00532451	STIMATE INJECTION 4MCG/ML 10ML VIAL

SECTION 141.3120
EMERGENCY
 HORMONES/AGENTS AFFECTING MECHANISMS: THYROID

Item Number	Drug Name and Strength
** 50001817	LEVOTHYROXINE INJECTION 500MCG W DILUENT
** 50002330	LEVOTHYROXINE TABLET 0.025MG
** 50002332	LEVOTHYROXINE TABLET 0.05MG
** 50002328	LEVOTHYROXINE TABLET 0.075MG
** 50002334	LEVOTHYROXINE TABLET 0.1MG
** 50001850	LEVOTHYROXINE TABLET 0.112MG
** 50002344	LEVOTHYROXINE TABLET 0.125MG
** 50002336	LEVOTHYROXINE TABLET 0.15MG
** 50002337	LEVOTHYROXINE TABLET 0.175MG
** 50002338	LEVOTHYROXINE TABLET 0.2MG
** 50002340	LEVOTHYROXINE TABLET 0.3MG
** 50002342	LEVOTHYROXINE TABLET 0.5MG
** 50003122	LIOTHYRONINE SODIUM 5MCG TAB/CAP
** 50003124	LIOTHYRONINE SODIUM 25MCG TAB/CAP

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SECTION 141.3120
EMERGENCY
 HORMONES/AGENTS AFFECTING MECHANISMS: THYROID
 (Cont'd)

Item Number	Drug Name and Strength
** 50003126	LIOTHYRONINE SODIUM 50MCG TAB/CAP
** 50007180	THYROGLOBULIN TAB/CAP 15MG
** 50007182	THYROGLOBULIN TAB/CAP 30MG
** 50007184	THYROGLOBULIN TAB/CAP 65MG
** 50007186	THYROGLOBULIN TAB/CAP 100MG
** 50007188	THYROGLOBULIN TAB/CAP 130MG
** 50007190	THYROGLOBULIN TAB/CAP 200MG
** 50007192	THYROGLOBULIN TAB/CAP 300MG
** 50006025	THYROID TAB/CAP 15MG(1/4 GRAIN)
** 50006033	THYROID TAB/CAP 30MG(1/2 GRAIN)
** 50006041	THYROID TAB/CAP 60MG(1GRAIN)
** 50006043	THYROID TAB/CAP 90MG(1 1/2 GRAIN)
** 50006050	THYROID TAB/CAP 130MG (2 GRAIN)
** 50006051	THYROID TAB/CAP 200MG (3 GRAIN)
** 50006052	THYROID TAB/CAP 250MG (4 GRAIN)
** 50006053	THYROID TAB/CAP 300MG (5 GRAIN)
** 00533610	THYTROPAR INJECTION 10IU VIAL

SECTION 141.3160
EMERGENCY
 HYDROCHOLERETICS

Item Number	Drug Name and Strength
00252101	KETOCHOL TABLET 250MG

SECTION 141.3200
EMERGENCY
 IMMUNOSUPPRESSIVES

Item Number	Drug Name and Strength
** 50003547	CYCLOSPORINE CAPSULE 25MG
** 50003549	CYCLOSPORINE CAPSULE 100MG
** 50003535	CYCLOSPORINE ORAL SOLUTION 100MG/ML 50ML
** 50003540	CYCLOSPORINE INJECTION 50MG/ML 5ML AMP
** 00810598	IMURAN INJECTION 100MG/20ML VIAL
** 00810597	IMURAN TABLET 50MG
** 00810596	IMURAN TABLET 25MG
** 00627102	ORTHOCLONE OKT #3 KIT INJECTION 1MG/ML

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SECTION 141.3240

IRRIGATION SOLUTIONS

EMERGENCY

Item Number	Drug Name and Strength
50000044	ACETIC ACID IRRIGATION SOLUTION 0.25% 500ML CONTAINER
50001149	ACETIC ACID IRRIGATION SOLUTION 0.25% 1000ML CONTAINER
50001155	IRRIG SOLN-SODIUM CHLORIDE 0.45% 1.50L
50001156	IRRIG SOLN-SODIUM CHLORIDE 0.45% 2.00L
50001157	IRRIG SOLN-SODIUM CHLORIDE 0.9% 0.25L
50001158	IRRIG SOLN-SODIUM CHLORIDE 0.9% 0.50L
50001159	IRRIG SOLN-SODIUM CHLORIDE 0.9% 1.00L
50001160	IRRIG SOLN-SODIUM CHLORIDE 0.9% 1.50L
50001161	IRRIG SOLN-SODIUM CHLORIDE 0.9% 2.00L
50001162	IRRIG SOLN-SODIUM CHLORIDE 0.9% 3.00L
03271007	RENACIDIN POWDER 150GM
03270007	RENACIDIN POWDER 300GM
50001174	UROLOGIC G IRRIGATION SOLUTION 1000ML CONTAINER

SECTION 141.3280

MEDICAL SUPPLIES

EMERGENCY

Item Number	Drug Name and Strength
*** 60009931	HYPODERMIC NEEDLE-DISPOSABLE--LIST MFG, SIZE AND PRODUCT LIST NUMBER
*** 60009930	HYPODERMIC NEEDLE-REUSEABLE--LIST MFG, SIZE AND PRODUCT LIST NUMBER
*** 60009928	HYPODERMIC SYRINGE-GLASS--LIST MFG, SIZE AND PRODUCT LIST NUMBER
*** 60009929	HYPODERMIC SYRINGE-PLASTIC DISP--LIST MFG, SIZE AND PRODUCT LIST NUMBER
*** 00031852	INSULIN PENNEEDLE FOR USE WITH NOVOPEN
*** 50008681	INSULIN SYRINGE & NEEDLE DISPOSABLE
*** 60009932	INSULIN SYRINGE-GLASS REUSEABLE
** 60009935	NEBULIZER (ASTHMATICS ONLY) EMPTY

SECTION 141.3320

MISCELLANEOUS

EMERGENCY

Item Number	Drug Name and Strength
** 05040270	ERGAMISOL TABLET 50MG
** 50006910	RABIES VACCINE HDCV SINGLE DOSE VIAL
** 50006920	RABIES IMMUNE GLOBULIN 150IU/ML 2ML

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SECTION 141.3320

MISCELLANEOUS (Cont'd)

EMERGENCY

Item Number	Drug Name and Strength
** 50006930	RABIES IMMUNE GLOBULIN 150IU/ML 10ML
** 50004797	RHO (D) IMMUNE GLOBULIN 1:1000
** 50003300	SODIUM CHLORIDE 0.9% 3ML VIAL FOR RESPIRATORY THERAPY USE
** 50003308	SODIUM CHLORIDE 0.9% 5ML VIAL FOR RESPIRATORY THERAPY USE
** 50005722	SODIUM CHLORIDE 0.9% FOR INJECTION 10ML
** 50005720	SODIUM CHLORIDE 0.9% FOR INJECTION 5ML
** 00060679	SYPRINE CAPSULE 250MG
** 50005732	WATER, STERILE, FOR INJECTION 10ML
** 50005730	WATER, STERILE, FOR INJECTION 5ML
** 50006894	ZINC SULFATE 66MG (15MG ZINC)
50006896	ZINC SULFATE 110MG (25MG ZINC)
50006900	ZINC SULFATE 220MG (50MG ZINC)

SECTION 141.3360

NEUROMUSCULAR DISORDERS: MYASTHENIA GRAVIS

EMERGENCY

Item Number	Drug Name and Strength
** 00241287	MYTELASE CHLORIDE CAPLET 10MG
** 50004182	NEOSTIGMINE BROMIDE TABLET 15MG
** 50004864	NEOSTIGMINE METHYLSULF INJ 1:1000 10ML VIAL
** 50004865	NEOSTIGMINE METHYLSULF INJ 1:2000 1ML AMP
** 50004866	NEOSTIGMINE METHYLSULF INJ 1:2000 10ML VIAL
** 50004867	NEOSTIGMINE METHYLSULF INJ 1:4000 1ML AMP
** 50004058	PYRIDOSTIGMINE INJ 10MG/2ML AMP
** 50004060	PYRIDOSTIGMINE SYRUP 60MG/5ML
** 50004062	PYRIDOSTIGMINE TAB/CAP 60MG
** 50004064	PYRIDOSTIGMINE TAB/CAP 180MG TD
** 00041927	TENSILON INJECTION 10MG/ML 1ML AMP
** 00041928	TENSILON INJECTION 10MG/ML 10ML VIAL

SECTION 141.3400

ONCOLYTIC/ANTINEOPLASTIC: ALKYLATING

EMERGENCY

Item Number	Drug Name and Strength
** 00810045	ALKERAN TAB 2MG
** 00153012	BICNU INJECTION 100MG VIAL
** 00153030	CEENU CAPSULE 10MG

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SECTION 141.3400
EMERGENCY ONCOLYTIC/ANTINEOPLASTIC: ALKYLATING
 (Cont'd)

Item Number	Drug Name and Strength
** 00153031	CEENU CAPSULE 40MG
** 00153032	CEENU CAPSULE 100MG
** 00153034	CEENU DOSE PACK
** 50000220	CYCLOPHOSPHAMIDE INJECTION 100MG VIAL
** 50000221	CYCLOPHOSPHAMIDE INJECTION 200MG VIAL
** 50000222	CYCLOPHOSPHAMIDE INJECTION 500MG VIAL
** 50000225	CYCLOPHOSPHAMIDE INJECTION 1GM VIAL
** 50000226	CYCLOPHOSPHAMIDE INJECTION 2GM VIAL
** 50000223	CYCLOPHOSPHAMIDE TABLET 25MG
** 50000224	CYCLOPHOSPHAMIDE TABLET 50MG
** 00153558	IFEX/MESNA COMBO-PACK
** 00810635	LEUKERAN TABLET 2MG
** 00067753	MUSTARGEN INJECTION 10MG VIAL
** 00810713	MYLERAN TABLET 2MG
** 00153213	PARAPLATIN INJECTION 50MG
** 00153214	PARAPLATIN INJECTION 150MG
** 00153215	PARAPLATIN INJECTION 450MG
** 00153070	PLATINOL INJECTION 10MG VIAL
** 00153072	PLATINOL INJECTION 50MG VIAL
** 00153220	PLATINOL-AQ INJECTION 1MG/ML 50ML VIAL
** 00153221	PLATINOL-AQ INJECTION 1MG/ML 100ML VIAL
** 00054650	THIO-TEPA PARENTERAL 15MG VIAL
** 50001025	URACIL MUSTARD CAPSULE 1MG
** 00747363	VERCYTE TABLET 25MG
** 00090844	ZANOSAR INJECTION 100MG/ML 1GM VIAL

SECTION 141.3440
EMERGENCY ONCOLYTIC/ANTINEOPLASTIC: ANTIBIOTICS

Item Number	Drug Name and Strength
** 00153010	BLENOXANE INJECTION 150 AMP
** 00824155	CERUBIDINE 20MG VIAL
** 00063298	COSMEGEN INJECTION 0.5MG VIAL
** 50001660	DOXORUBICIN HCL LYOPHILIZED INJ 10MG
** 50001662	DOXORUBICIN HCL LYOPHILIZED INJ 20MG
** 50001664	DOXORUBICIN HCL LYOPHILIZED INJ 50MG
** 50001668	DOXORUBICIN HCL LYOPHILIZED INJ 150MG
** 50001670	DOXORUBICIN HCL SOLUTION FOR INJECTION 2MG/ML 5ML VIAL
** 50001672	DOXORUBICIN HCL SOLUTION FOR INJECTION 2MG/ML 10ML VIAL

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SECTION 141.3440
EMERGENCY ONCOLYTIC/ANTINEOPLASTIC: ANTIBIOTICS
 (Cont'd)

Item Number	Drug Name and Strength
** 50001674	DOXORUBICIN HCL SOLUTION FOR INJECTION 2MG/ML 25ML VIAL
** 00268161	MITHRACIN INJECTION 2.5MG/VIAL
** 00153001	MUTAMYCIN INJECTION 5MG VIAL
** 00153002	MUTAMYCIN INJECTION-20MG VIAL
** 00059393	NOVANTRONE INJECTION 2MG/ML 10ML VIAL
** 00059493	NOVANTRONE INJECTION 2MG/ML 12.5ML VIAL
** 00059593	NOVANTRONE INJECTION 2MG/ML 15ML VIAL

SECTION 141.3480
EMERGENCY ONCOLYTIC/ANTINEOPLASTIC: ANTIMETABOLITES
 (Cont'd)

Item Number	Drug Name and Strength
** 50001391	CYTARABINE LYOPHILIZED INJECTION 100MG
** 50001393	CYTARABINE LYOPHILIZED INJECTION 500MG
** 00090168	CYTOSAR INJECTION 100MG W DILUENT
** 00090216	CYTOSAR INJECTION 500MG W DILUENT
** 50000400	FLUOROURACIL INJECTION 500MG/10ML AMP
** 50006603	FLOXURIDINE INJECTION 500MG/5ML
** 00054554	METHOTREXATE SODIUM AQ INJECTION 2.5MG/ML 2ML VIAL
** 00054556	METHOTREXATE SODIUM AQ INJECTION 25MG/ML 2ML VIAL
** 50005681	METHOTREXATE SODIUM AQ INJECTION 25MG/ML 4ML VIAL
** 50005683	METHOTREXATE SODIUM AQ INJECTION 25MG/ML 8ML VIAL
** 50005685	METHOTREXATE SODIUM AQ INJECTION 25MG/ML 10ML VIAL
** 00054654	METHOTREXATE SODIUM POWDER INJECTION-20MG VIAL
** 50005687	METHOTREXATE SODIUM POWDER INJECTION 50MG VIAL
** 00055203	METHOTREXATE SODIUM POWDER INJECTION 100MG VIAL
** 00054561	METHOTREXATE SODIUM TABLET 2.5MG
** 00810807	PURINETHOL TABLET 50MG
** 00810880	THIOGUANINE TABLET 40MG

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SECTION 141.3520
EMERGENCY

ONCOLYTIC/ANTINEOPLASTIC: HORMONES

Item Number	Drug Name and Strength
** 50003277	AMINOGLUTETHIMIDE TABLET 250MG
** 00090248	DEPO-PROVERA INJECTION 100MG/ML 5ML VIAL
** 00092626	DEPO-PROVERA INJECTION 400MG/ML 1ML SYRINGE
** 00091626	DEPO-PROVERA INJECTION 400MG/ML 2.5ML VIAL
** 00090626	DEPO-PROVERA INJECTION 400MG/ML-10ML VIAL
** 00021453	DROLBAN INJECTION 50MG/ML 10ML VIAL
** 00040132	EMCYT CAPSULE 140MG
** 00460451	ESTRADURIN INJ 40MG W/DILUENT
** 00850525	EULEXIN CAPSULE 125MG
** 03003629	LUPRON DEPOT INJECTION 7.5 MG/VIAL KIT
** 03003626	LUPRON INJECTION 5MG/ML 2.8ML VIAL
** 03004626	LUPRON INJECTION 5MG/ML 4 WEEK KIT
** 50000595	MEGESTROL ACETATE TABLET 20MG
** 50000596	MEGESTROL ACETATE TABLET 40MG
** 00380600	NOLVADEX TABLET 10MG
** 00268131	STILPHOSTROL INJECTION 0.25GM/5CC AMP
** 00268132	STILPHOSTROL TABLET 50MG
** 00030691	TESLAC INJECTION 100MG/ML 5ML VIAL
** 00030690	TESLAC TABLET 50MG
** 00030689	TESLAC TABLET 250MG
** 03100960	ZOLADEX IMPLANT 3.6MG

SECTION 141.3560
EMERGENCY

ONCOLYTIC/ANTINEOPLASTIC: MISCELLANEOUS

Item Number	Drug Name and Strength
** 00341019	ALFERON N INJECTION 5MIU/VIAL
** 60009946	ANTINEOPLASTIC ORAL PRODUCTS - NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 60009947	ANTINEOPLASTIC PARENTERAL PRODUCTS - NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 04869041	BCG TICE VACCINE
** 50005349	DACARBAZINE INJECTION 100MG VIAL
** 50005351	DACARBAZINE INJECTION 200MG VIAL
** 00064612	ELSPAR INJECTION 10,000IU/10ML VIAL
** 00030830	HYDREA CAPSULE 500MG
** 00850647	INTRON A INJECTION 3 MILLION IU VIAL
** 00850120	INTRON A INJECTION 5 MILLION IU VIAL
** 00850571	INTRON A INJECTION 10 MILLION IU VIAL
** 00850285	INTRON A INJECTION 25 MILLION IU VIAL
** 00850539	INTRON A INJECTION 50 MILLION IU VIAL

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SECTION 141.3560
EMERGENCY

ONCOLYTIC/ANTINEOPLASTIC: MISCELLANEOUS (Cont'd)

Item Number	Drug Name and Strength
** 00054522	LEUCOVORIN CALCIUM INJECTION 3MG/1ML AMP
** 50005550	LEUCOVORIN CALCIUM INJECTION 5MG/ML 1ML
** 50005555	LEUCOVORIN CALCIUM INJECTION 5MG/ML 5ML
** 00054527	LEUCOVORIN CALCIUM INJECTION 50MG VIAL
** 50001714	LEUCOVORIN CALCIUM INJECTION 100MG VIAL
** 50001718	LEUCOVORIN CALCIUM INJECTION 350MG VIAL
** 50005540	LEUCOVORIN CALCIUM TABLET 5MG
** 50005834	LEUCOVORIN CALCIUM TABLET 15MG
** 50005545	LEUCOVORIN CALCIUM TABLET 25MG
** 03268213	LYSODREN TABLET 500MG
** 00040053	MATULANE CAPSULE 50MG
** 00041933	ROFERON A INJECTION 3 MILLION IU/0.5ML POWDER VIAL WITH DILUENT
** 00041988	ROFERON A INJECTION 3 MILLION IU/0.5ML 3ML VIAL
** 00041987	ROFERON A INJECTION 3 MILLION IU/ML 1ML VIAL
** 00042005	ROFERON-A INJECTION 36 MILLION IU/ML 1ML
** 00153091	VEPESID CAPSULE 50MG
** 01178802	THERACYS INTRAVESICAL FREEZE-DRIED SUSPENSION FOR RECONSTITUTION 27MG VIAL
** 00153095	VEPESID INJECTION 20MG/ML 5ML VIAL
** 50003601	VINBLASTINE SULFATE 10MG/10ML VIAL
** 50003603	VINCRISTINE SULFATE 1MG/ML 1ML
** 50003605	VINCRISTINE SULFATE 1MG/ML 2ML
** 50003607	VINCRISTINE SULFATE 1MG/ML 5ML

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OSTOMY SUPPLIES

Item Number	Drug Name and Strength
** 60009922	OS OSTOMY SUPPLIES - NOT OTHERWISE LISTED - SPECIFY MFG AND LIST NUMBER
** 50008470	OS BARD 140X DISPOSABLE IRRIGATION SET
** 50008471	OS BARD 144X DISPOSABLE DRAIN SLEEVES
** 50008505	OS BARD 2252 STOMAPLAST PLUS POUCH
** 50008506	OS BARD 2253 STOMAPLAST PLUS POUCH
** 50008476	OS BARD 260X SAF-T-POUCH SET
** 50008477	OS BARD 264X SAF-T-POUCH REFILLS
** 50008480	OS BARD 274X SAF-T-POUCH REFILLS
** 50008481	OS BARD 4221 STOMAPLAST PLUS POUCH
** 50008507	OS BARD 4222 STOMAPLAST PLUS POUCH

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50008509	OS BARD 4223 STOMAPLAST PLUS POUCH
** 50008486	OS BARD 613X KARAYA WASHER
** 50008485	OS BARD 614X KARAYA WASHER 3 3/4 OD
** 50008489	OS BARD 6540 ADH SQ W/CRIXILINE 4X4
** 50008490	OS BARD 6580 ADH SQ W/CRIXILINE 8X8
** 50008491	OS BARD 6590 ADHESIVE STRIPS 6X7/8
** 50008492	OS BARD 672X SAF-T-POUCH ADHES GASKETS
** 50008493	OS BARD 8110 SAF-T-BELT
** 50008494	OS BARD 8120 SNAP-TITE BELT
** 50008495	OS BARD 8230 KARAYA POWDER 3.5OZ
** 50008496	OS BARD 8240 KARAYA POWDER 14OZ
** 50008498	OS BARD 8520 ADHESIVE SOLVENT 8OZ CAN
** 50008499	OS BARD 8530 ADHESIVE SOLVENT 32OZ CAN
** 50008500	OS BARD 8540 DEODORANT 2OZ BOTTLE
** 50008501	OS BARD 8550 DEODORANT 8OZ BOTTLE
** 50008502	OS BARD 871X GASKET PLASTIC REINFORCE
** 50008503	OS BARD 8720 FACE PLATE SOFT
** 50008504	OS BARD 8730 FACE PLATE HARD
** 50007742	OS BARD 960001 REG COLOSTOMY POUCH NO. 1
** 50007741	OS BARD 960002 REG COLOSTOMY POUCH NO. 2
** 50007740	OS BARD 960003 REG COLOSTOMY POUCH NO. 3
** 50007739	OS BARD 960004 REG COLOSTOMY POUCH NO. 4
** 50007747	OS BARD 960101 EXTRA COLOSTOMY POUCH NO. 1
** 50007746	OS BARD 960102 EXTRA COLOSTOMY POUCH NO. 2
** 50007745	OS BARD 960103 EXTRA COLOSTOMY POUCH NO. 3
** 50007722	OS BARD 960201 REG ILEOSTOMY POUCH NO. 20
** 50007730	OS BARD 960202 EXTRA ILEOSTOMY POUCH NO. 20
** 50007721	OS BARD 960301 REG ILEOSTOMY POUCH NO. 30
** 50007729	OS BARD 960302 EXTRA ILEOSTOMY POUCH NO. 30
** 50007727	OS BARD 960401 EXTRA ILEO B POUCH
** 50007723	OS BARD 960402 BELT-ADJUST SUPPORT PLATE
** 50007725	OS BARD 960403 EXTRA ILEO B MINI POUCH
** 50007726	OS BARD 960405 EXTRA ILEO B POUCH
** 50007724	OS BARD 960406 EXTRA ILEO B POUCH 60MM
** 50007714	OS BARD 960420 ADJUSTABLE BELT
** 50007738	OS BARD 961001 DELUXE IRRIGATION SET
** 50007734	OS BARD 961002 EXTRA SECURITY POUCH
** 50007731	OS BARD 961003 IRRIGATION SLEEVES
** 50007720	OS BARD 961004 KARAYA RINGS
** 50007733	OS BARD 961008 EXTRA SECURITY POUCH
** 50007737	OS BARD 961010 COLO-TIP FOR IRRIG SET
** 50007736	OS BARD 961011 IRRIGATOR BAG-VALVE/TUBE
** 50007735	OS BARD 961012 FACE PLATE FOR IRRIG SET
** 50007719	OS BARD 961015 STOMA URINE BAG ADULT

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Item Number	Drug Name and Strength
** 50007718	OS BARD 961016 STOMA URINE BAG MEDIUM
** 50007717	OS BARD 961017 STOMA URINE BAG PEDIATRIC
** 50007732	OS BARD 961020 EXTRA SECURITY POUCH 60MM
** 50007716	OS BARD 962901 RETAIL APPLIANCE KIT 10MM
** 50007715	OS BARD 962905 RETAIL APPLIANCE KIT 40MM
** 50007744	OS BARD 963002 CERTAIN STANDARD POUCH
** 50007743	OS BARD 963003 CERTAIN LARGE POUCH
** 50007712	OS CONVA 021712 STOMAHESIVE COVERING 4X4
** 50007711	OS CONVA 021715 STOMAHESIVE COVERING 8X8
** 50007846	OS CONVA 021915 ACCUSEAL ADAPTER
** 50007851	OS CONVA 02192X SUR-FIT UROSTOMY POUCH W/ACCUSEAL TAP TRANSPARENT STANDARD
** 50007848	OS CONVA 02193X SUR-FIT UROSTOMY POUCH WITH ACCUSEAL TAP OPAQUE STANDARD
** 50007850	OS CONVA 021930 SUR-FIT UROSTOMY POUCH 100MM (4") FLANGE W/ACCUSEAL TAP
** 50007847	OS CONVA 021940 SUR-FIT UROSTOMY POUCH 100MM (4") FLANGE W/ACCUSEAL TAP
** 50007849	OS CONVA 02195X SUR-FIT UROSTOMY POUCH WITH ACCUSEAL TAP OPAQUE SMALL
** 50007873	OS CONVA 022340 STOMAHESIVE WAFER SURFIT 5"X5" WAFER W/2-3/4" SUR-FIT FLANGE
** 50007872	OS CONVA 022341 STOMAHESIVE WAFER SURFIT 6"X6" WAFER W/4" SUR-FIT FLANGE
** 50007864	OS CONVA 022353 SUR-FIT DRAINABLE POUCH 14" TRANSPARENT WITH 4" FLANGE
** 50007867	OS CONVA 022370 STOMAHESIVE WAFER 4"X4" WITH 2-3/4" SUR-FIT ACCORDIAN FLANGE
** 50007866	OS CONVA 022380 STOMAHESIVE WAFER 5"X5" WITH 4" SUR-FIT ACCORDIAN FLANGE
** 50007868	OS CONVA 02252X SUR-FIT FLEXIBLE FLANGE
** 50007871	OS CONVA 02256X DURAHESIVE WAFER 4"X4" WITH LOW PROFILE FLANGE
** 50007870	OS CONVA 022569 DURAHESIVE WAFER 5"X5" WITH 2-3/4" SUR-FIT FLANGE
** 50007869	OS CONVA 022570 DURAHESIVE WAFER 6"X6" WITH 4" SUR-FIT FLANGE
** 50007834	OS CONVA 0227XX ACTIVE LIFE ONE-PIECE DRAINABLE POUCH 12" OPAQUE
** 50007833	OS CONVA 0227XX ACTIVE LIFE ONE-PIECE DRAINABLE POUCH 12" TRANSPARENT
** 50007831	OS CONVA 022703 ACTIVE LIFE ONE-PIECE CLOSED-END POUCH OPAQUE

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50007830	OS CONVA 022706 ACTIVE LIFE ONE-PIECE CLOSED-END POUCH TRANSPARENT
** 50007858	OS CONVA 02271X VISI-FLOW IRRIGATION STARTER SET
** 50007829	OS CONVA 022710 ACTIVE LIFE ONE-PIECE STOMA CAP
** 50007857	OS CONVA 022735 VISI-FLOW IRRIGATOR WITH STOMA CONE
** 50007856	OS CONVA 022736 VISI-FLOW STOMA CONE
** 50007854	OS CONVA 02274X SUR-FIT IRRIGATION ADAPTER FACEPLATE
** 50007841	OS CONVA 02275X ACTIVE LIFE ONE-PIECE DRAINABLE POUCH 10" OPAQUE
** 50007832	OS CONVA 022771 ACTIVE LIFE ONE-PIECE DRAINABLE CUSTOM POUCH 12" TRANSPARENT
** 50007852	OS CONVA 02423X SUR-FIT UROSTOMY POUCH TRANSPARENT SMALL
** 50007853	OS CONVA 02423X SUR-FIT UROSTOMY POUCH TRANSPARENT STANDARD
** 50007860	OS CONVA 02425X SUR-FIT IRRIGATION SLEEV
** 50007859	OS CONVA 02426X SUR-FIT FLANGE CAP
** 50007862	OS CONVA 02547X SUR-FIT DRAINABLE POUCH 10" OPAQUE WITHOUT FABRIC PANEL
** 50007863	OS CONVA 02547X SUR-FIT DRAINABLE POUCH 12" OPAQUE WITHOUT FABRIC PANEL
** 50007876	OS CONVA 025510 STOMAHESIVE POWDER 30GM
** 50007826	OS CONVA 0256XX STOMAHESIVE SUR-FIT 4X4
** 50007827	OS CONVA 02562X SUR-FIT CLOSED POUCH OPQ
** 50007825	OS CONVA 02563X SUR-FIT DRAIN PCH 12" TR
** 50007823	OS CONVA 02564X SUR-FIT DRAIN PCH 12" OP
** 50007824	OS CONVA 02569X SUR-FIT DRAIN PCH 10" OP
** 50007865	OS CONVA 02569X SUR-FIT DRAINABLE POUCH 10" OPAQUE
** 50007861	OS CONVA 02577X SUR-FIT MINI-POUCH
** 50007845	OS CONVA 027060 SUR-FIT NIGHT DRAINAGE CONTAINER SET
** 50007844	OS CONVA 027061 SUR-FIT NIGHT DRAINAGE CONTAINER COVER
** 50007828	OS CONVA 175510 APPLIANCE BELT ADJUST
** 50007874	OS CONVA 175600 SUR-FIT TAIL CLOSURES FOR USE WITH 025470 THRU 025479 ONLY
** 50007875	OS CONVA 175635 SUR-FIT/ACTIVE LIFE TAIL CLOSURES

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50007855	OS CONVA 175650 SUR-FIT IRRIGATION SLEEVE TAIL CLOSURE
** 50007842	OS CONVA 1801XX SUR-FIT POUCH COVERS
** 50007877	OS CONVA 183910 STOMAHESIVE PASTE 60GM
** 50007843	OS CONVA 1850XX SUR-FIT DISPOSABLE CONVEX INSERTS
** 50008478	OS DIAM SHAM SAF-T-POUCH SET C O B F 270
** 50008479	OS DIAM SHAM SAF-T-POUCH SET C 4 SBS 271
** 50008487	OS DIAM SHAM SKIN BARRIER SEAL 628
** 50008488	OS DIAM SHAM SKIN BARRIER SEAL 629
** 50008472	OS DIAM SHAM STOMAPLAST PLUS BAG 2251
** 50008473	OS DIAM SHAM STOMAPLAST PLUS CR BAG 226
** 50008474	OS DIAM SHAM STOMAPLAST PLUS CR BAG 227
** 50008475	OS DIAM SHAM STOMAPLAST PLUS CR BAG 228
** 50008482	OS DIAM SHAM STOMAPLAST PLUS CRDS BG 426
** 50008483	OS DIAM SHAM STOMAPLAST PLUS CRDS BG 427
** 50008484	OS DIAM SHAM STOMAPLAST PLUS CRDS BG 428
** 50008497	OS DIAM SHAM SUPER BOND CEMENT 40Z 8510
** 50007758	OS HOLL ADJUSTABLE OSTOMY BELT
** 50007840	OS HOLL ADH DRAINABLE OPAQUE SERIES 749
** 50007788	OS HOLL ADHESIVE SECURITY POUCH 714
** 50007789	OS HOLL ADHESIVE STOMA BAG 717
** 50007752	OS HOLL DILATOR GLOVE 7741
** 50007784	OS HOLL IRRIGATOR SET 733
** 50007785	OS HOLL IRRIGATOR 7201
** 50007777	OS HOLL KARAYA SEAL DRAINABLE STOM BG725
** 50007780	OS HOLL KARAYA SEAL DRAINABLE STOM BG726
** 50007776	OS HOLL KARAYA SEAL DRN STOM BG C ADH723
** 50007773	OS HOLL KARAYA SEAL DRN STOM BG C ADH724
** 50007791	OS HOLL REGULAR STOMA BAG 710
** 50007761	OS HOLL UROSTOMY BAG C ADHESIVE ONLY 744
** 50007764	OS HOLL UROSTOMY BAG C KARAYA SEAL 741
** 50002556	OS HOLL 141X LO-PROFILE UROSTOMY POUCH W/MICROPOROUS II ADHESIVE AND GASKET
** 50002581	OS HOLL 142X LO-PROFILE UROSTOMY POUCH W/MICROPOROUS II ADHESIVE
** 50002555	OS HOLL 143X LO-PROFILE UROSTOMY POUCH W/MICROPOROUS II KARAYA 5 SEAL/GASKET
** 50008270	OS HOLL 227X FILTER STOMA POUCH WITH STANDARD ADHESIVE
** 50007836	OS HOLL 300X SECURE ADHESIVE OSTOMY SYSTEM POUCH CLEAR
** 50007837	OS HOLL 304X SECURE ADHESIVE OSTOMY SYSTEM POUCH OPAQUE

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50007838	OS HOLL 311X KARAYA SEAL DRAINABLE STOMA POUCH SHORT 12" OPAQUE
** 50007839	OS HOLL 313X KARAYA SEAL DRAINABLE STOMA POUCH BRIEF 9" OPAQUE
** 50008271	OS HOLL 314X FILTER SECURITY POUCH WITH MICROPOROUS ADHESIVE
** 50002591	OS HOLL 318X STOMA CAP W/MICROPOROUS ADHESIVE 2" or 3"
** 50008268	OS HOLL 322X KARAYA SEAL DRAINABLE STOMA POUCH SHORT 12" REGULAR
** 50008269	OS HOLL 323X KARAYA SEAL DRAINABLE STOMA POUCH BRIEF 9" REGULAR
** 50008267	OS HOLL 327X KARAYA SEAL DRAINABLE STOMA POUCH MEDIUM 16" REGULAR
** 50008272	OS HOLL 332X KARAYA SEAL STOMA POUCH W/KARAYA 5 RING MICROPOROUS ADH FLTR
** 50002589	OS HOLL 350X PREMIUM CLOSED POUCH WITH MICROPOROUS II ADH DEOD FLTR QUFILM
** 50002587	OS HOLL 353X PREMIUM CLOSED POUCH WITH KARAYA 5 MICROPOROUS II FLTR FILM OP
** 50002588	OS HOLL 354X PREMIUM CLOSED POUCH WITH SYN RING MICROPOROUS II FLTR OPQUFILM
** 50002586	OS HOLL 355X PREMIUM CLOSED POUCH WITH KARAYA 5 MICROPOROUS II FILTER FILM
** 50002543	OS HOLL 360X PREMIUM DRAINABLE POUCH WITH KARAYA 5 SEAL, MICROPOROUS II
** 50002540	OS HOLL 363X FIRSTCHOICE DRAINABLE POUCH SYNTHETIC BARRIER CUSHION FIT
** 50002541	OS HOLL 364X PREMIUM DRAINABLE POUCH WITH SYNTHETIC SEAL RING MICROPOROUS
** 50002548	OS HOLL 366X PREMIUM DRAINABLE POUCH WITH REPLACEMENT FILTER
** 50002538	OS HOLL 370X TWO-PIECE OSTOMY SYSTEM SKIN BARRIER W/FLANGE 1 1/2" -- 2 3/4"
** 50002537	OS HOLL 3706 TWO-PIECE OSTOMY SYSTEM SKIN BARRIER W/FLANGE 4" FLANGE
** 50002736	OS HOLL 380X TWO-PIECE OSTOMY SYSTEM REG DRN POUCH W/FLANGE 1 1/2" -- 2 3/4"
** 50002533	OS HOLL 3806 TWO-PIECE OSTOMY SYSTEM REG DRAINABLE POUCH W/FLANGE 4" FLANGE
** 50002735	OS HOLL 381X TWO-PIECE OSTOMY SYSTEM OPQ DRN POUCH W/FLANGE 1 1/2" -- 2 3/4"
** 50002532	OS HOLL 3816 TWO-PIECE OSTOMY SYSTEM OPQ DRAINABLE POUCH W/FLANGE 4" FLANGE

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50002529	OS HOLL 382X TWO-PIECE OSTOMY SYSTEM IRRIGATOR DRAIN
** 50002531	OS HOLL 390X TWO-PIECE OSTOMY SYSTEM PREMIUM UROSTOMY POUCH W/FLANGE
** 50008273	OS HOLL 412X HOLLIGARD SEAL STOMA POUCH WITH MICROPOROUS ADHESIVE AND FILTER
** 50007757	OS HOLL 7035 APPLIANCE COVER CLOSED BAGS
** 50007756	OS HOLL 7037 APPLIANCE COVER DRAIN BAG
** 50007790	OS HOLL 713X MINI POUCH
** 50007792	OS HOLL 716X KARAYA SEAL STOMA POUCH WITH KARAYA 5 SEAL RING
** 50007787	OS HOLL 718X REGULAR STOMA CAP
** 50007786	OS HOLL 719X STOMA IRRIGATOR DRAIN
** 50007779	OS HOLL 721X KARAYA SEAL DRAINABLE STOMA POUCH WITH KARAYA 5 RING SHORT 12"
** 50007775	OS HOLL 722X KARAYA SEAL DRAINABLE STOMA POUCH WITH KARAYA 5 SHORT 12"
** 50007774	OS HOLL 727X KARAYA SEAL DRAINABLE STOMA POUCH WITH KARAYA 5 MEDIUM 16"
** 50007778	OS HOLL 728X KARAYA SEAL DRAINABLE STOMA POUCH WITH KARAYA 5 RING MEDIUM 16"
** 50002584	OS HOLL 7328 STANDARD UROSTOMY DRAIN TUB
** 50007760	OS HOLL 7328 UROSTOMY DRAIN TUBE STANDRD
** 50002583	OS HOLL 7330 LO-PROFILE DRAIN TUBE
** 50002582	OS HOLL 7331 UROSTOMY DRAIN TUBE ADAPTER
** 50007769	OS HOLL 734X LOOP OSTOMY DRAINABLE POUCH
** 50007770	OS HOLL 734X LOOP OSTOMY GASKET ASSEMBLY
** 50007768	OS HOLL 739X KARAYA SEAL RING
** 50007759	OS HOLL 740X UROSTOMY POUCH BRIEF 9"
** 50007767	OS HOLL 742X ADHESIVE DRAINABLE STOMA POUCH MEDIUM 16"
** 50007771	OS HOLL 743X ADHESIVE DRAINABLE STOMA POUCH SHORT 12"
** 50007772	OS HOLL 745X UROSTOMY POUCH MEDIUM 12"
** 50007765	OS HOLL 746X UROSTOMY POUCH WITH KARAYA 5 SEAL RING MEDIUM 16"
** 50007762	OS HOLL 747X UROSTOMY POUCH SHORT 12"
** 50007766	OS HOLL 748X UROSTOMY POUCH WITH KARAYA 5 SEAL RING SHORT 12"
** 50007763	OS HOLL 7700 HOLLIHESIVE SKIN BARRI 4X4
** 50007835	OS HOLL 7701 HOLLIHESIVE SKIN BARRIER 8" X 8" NON-STERILE
** 50002599	

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50002600	OS HOLL 7708 HOLLISEAL SKIN BARRIER 4" X 4"
** 50007781	OS HOLL 772X COMBINATION CONE/TUBE IRRIGATION STARTER SET 2" OR 3"
** 50007783	OS HOLL 772X COMBINATION CONE/TUBE STOMA IRRIGATOR DRAIN 2" OR 3"
** 50007782	OS HOLL 7721 COMBINATION CONE/TUBE IRRIGATION KIT
** 50002592	OS HOLL 7723 STOMA CONE REPLACEMENT UNIT W/CONNECTOR AND INSTRUCTIONS
** 50007755	OS HOLL 7730 MEDICAL ADHESIVE 60Z CAN
** 50007754	OS HOLL 7731 MEDICAL ADHESIVE REMOVER 60Z SPRAY CAN
** 50007753	OS HOLL 7740 STOMA LUBRICANT 40Z BOTTLE
** 50002605	OS HOLL 7755 UNIVERSAL REMOVER FOR ADHESIVES AND BARRIERS 60Z BOTTLE
** 50002606	OS HOLL 7760 UNIVERSAL REMOVER WIPES FOR ADHESIVES AND BARRIERS-CARTON OF 50
** 50007751	OS HOLL 7765 DRAINABLE POUCH CLAMP
** 50002549	OS HOLL 7766 REPLACEMENT FILTERS FOR PREMIUM DRAINABLE POUCH
** 50002622	OS HOLL 7770 PREMIUM DRAINABLE POUCH CLAMP FOR PREMIUM AND QUIET FILM
** 50002593	OS HOLL 7800 PREMIUM SKIN BARRIER 4" X 4" NON-STERILE
** 50002598	OS HOLL 7801 PREMIUM SKIN BARRIER 8" X 8" NON-STERILE
** 50008266	OS HOLL 7905 KARAYA POWDER 2.5 OZ BOTTLE
** 50007749	OS HOLL 7910 KARAYA PASTE 4.5 OZ TUBE
** 50007750	OS HOLL 7916 SKIN GEL 1 OZ TUBE
** 50002619	OS HOLL 7917 SKIN GEL PROTECTIVE DRESSING WIPES-CARTON OF 50
** 50002604	OS HOLL 7918 SKIN GEL SPRAY 40Z BOTTLE
** 50007748	OS HOLL 7919 KARAYA PASTE 2 OZ TUBE
** 50002602	OS HOLL 7920 HOLLIHESIVE PASTE 4.5OZ
** 50002601	OS HOLL 7930 PREMIUM PASTE 20Z TUBE
** 50002603	OS HOLL 9760 POST-OP POUCH W/MICROPOROUS II ADHESIVE AND ATTACHED CLOSURE
** 50002539	OS HOLL 9765 PEDIATRIC POUCH
** 50003640	OS INCONT. CLEANSER/DEODORIZER-RINSE (NOTE: FOR OSTOMY PATIENT USE ONLY)
** 50003642	OS INCONT. CLEANSER/DEODORIZER-NO RINSE (NOTE: FOR OSTOMY PATIENT USE ONLY)
** 50003644	OS MOISTURE BARRIER OINTMENT WITH A & D (NOTE: FOR OSTOMY PATIENT USE ONLY)

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Item Number	Drug Name and Strength
** 50007501	OS NUHOPE 2101 REUSABLE URINARY POUCH STYLE A
** 50007502	OS NUHOPE 2102 REUSABLE URINARY POUCH STYLE A W/VALVE
** 50007503	OS NUHOPE 2111 REUSABLE URINARY POUCH STYLE B
** 50007504	OS NUHOPE 2115 REUSABLE URINARY POUCH STYLE C
** 50007505	OS NUHOPE 2118 REUSABLE URINARY POUCH STYLE D
** 50007506	OS NUHOPE 2125 REUSABLE URINARY POUCH STYLE H
** 50007507	OS NUHOPE 2126 REUSABLE URINARY POUCH STYLE H W/VALVE
** 50007508	22XX BASE PLATE AND RING SET
** 50007509	OS NUHOPE 23XX ADHERING TAPE DISC
** 50007510	OS NUHOPE 2313 ADHERING TAPE DISC 1-5/8"
** 50007511	OS NUHOPE 2330 REGULAR ADHERING TAPE STRIPS
** 50007512	OS NUHOPE 2332 EXTRA WIDE ADHERING TAPE STRIPS
** 50007513	OS NUHOPE 2334 EXTRA LONG ADHERING TAPE STRIPS
** 50007514	OS NUHOPE 2400 ADHESIVE 30Z BOTTLE W/APPLICATOR
** 50007515	OS NUHOPE 2401 ADHESIVE 10Z BOTTLE W/APPLICATOR
** 50007516	OS NUHOPE 2408 CLEANING SOLVENT 40Z
** 50007517	OS NUHOPE 2410 CLEANING SOLVENT 160Z
** 50007518	OS NUHOPE 2427 THINNING SOLVENT 20Z
** 50007519	OS NUHOPE 2500 THIN RUBBER STOMA SEALS
** 50007520	OS NUHOPE 251X CLOTH COVER FOR 120Z or 200Z
** 50007521	OS NUHOPE 2513 CLOTH COVER FOR 300Z
** 50007522	OS NUHOPE 252X HOLE CUTTER TOOL 1/2" THRU 1-1/8"
** 50007523	OS NUHOPE 253X HOLE CUTTER TOOL 1-1/4" THRU 1-1/2"
** 50007524	OS NUHOPE 253X HOLE CUTTER TOOL 1-3/4" THRU 2"
** 50007525	OS NUHOPE 2540 REGULAR VALVE SET
** 50007526	OS NUHOPE 2543 EXTRA WIDE VALVE SET
** 50007527	OS NUHOPE 2546 LONG CURVED VALVE SET
** 50007528	OS NUHOPE 2550 DRYING HANGER
** 50007529	OS NUHOPE 2555 STANDARD SHORT SHIELD
** 50007530	OS NUHOPE 2556 EXTRA LARGE SUPPORT SHIELD
** 50007531	OS NUHOPE 2600 1" ELASTIC BELT W/PLASTIC BUCKLES
** 50007532	OS NUHOPE 2605 1" ELASTIC BELT W/METAL BUCKLES

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Item Number	Drug Name and Strength
** 50007533	OS NUHOPE 2610 1-1/2" ELASTIC BELT W/PLASTIC BUCKLES
** 50007534	OS NUHOPE 2615 1-1/2" ELASTIC BELT W/METAL BUCKLES
** 50007535	OS NUHOPE 2630 1" RUBBER BELT W/PLASTIC BUCKLES
** 50007536	OS NUHOPE 266X SUPPORT BELT 4"
** 50007538	OS NUHOPE 3101 REUSABLE DRAINABLE POUCH STYLE E
** 50007539	OS NUHOPE 3103 REUSABLE DRAINABLE POUCH STYLE F
** 50007540	OS NUHOPE 3142 CRYOVAC DISPOSABLE POUCH
** 50007541	OS NUHOPE 3200 KARAYA GUM POWDER 3.5OZ
** 50007542	SQUEEZE BOTTLE
** 50007543	OS NUHOPE 3205 KARAYA GUM POWDER 1/2OZ
** 50007544	SQUEEZE BOTTLE
** 50007545	OS NUHOPE 3208 KARAYA GUM POWDER 1LB BOTTLE
** 50007546	OS NUHOPE 3220 CARBO ZINC 6OZ JAR
** 50007547	OS NUHOPE 4003 PHARMASEAL DRAINAGE CONTAINER
** 50007548	OS NUHOPE 4010 NU-CREAM 2OZ JAR
** 50007549	OS NUHOPE 4020 NU-GARD SKIN BARRIER WIPES
** 50007550	OS NUHOPE 50XX DUALSTICK ADHESIVE PAD
** 50007551	OS NUHOPE 62XX CONVEX INSERTS PACK OF 10
** 50007552	OS NUHOPE 65XX 3" SUPPORT BELT
** 50007553	OS NUHOPE 66XX 6" SUPPORT BELT
** 50007554	OS NUHOPE 66XX 9" SUPPORT BELT
** 50007555	OS NUHOPE 71XX ODORPROOF BRIEF POST OP DRAINABLE 12OZ POUCH
** 50007556	OS NUHOPE 71XX NU-FLEX DRAINABLE MINI POUCH 8OZ
** 50007557	OS NUHOPE 72XX ODORPROOF ADULT POST OP DRAINABLE 24OZ POUCH
** 50007558	OS NUHOPE 73XX ODORPROOF BRIEF NU-SELF (OPAQUE) 12OZ DRAINABLE POUCH
** 50007559	OS NUHOPE 74XX ODORPROOF ADULT NU-SELF (OPAQUE) 24OZ DRAINABLE POUCH
** 50007560	OS NUHOPE 77XX BRIEF NU-FLEX DRAIN POUCH 12OZ
** 50007561	OS NUHOPE 77XX-FV BRIEF NU-FLEX DRAIN POUCH WITH FLUTTER VALVE 12OZ
** 50007562	OS NUHOPE 7854 ADULT NU-FLEX DRAIN POUCH TAPE DISC
** 50007563	OS NUHOPE 7854-FV ADULT NU-FLEX DRAIN POUCH TAPE DISC WITH FLUTTER VALVE

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OSTOMY SUPPLIES (Cont'd)

Item Number	Drug Name and Strength
** 50007564	OS NUHOPE 79XX ADULT NU-FLEX DRAIN POUCH 22OZ
** 50007565	OS NUHOPE 79XX-FV ADULT NU-FLEX DRAIN POUCH WITH FLUTTER VALVE 22OZ
** 50007566	OS NUHOPE 81XX BRIEF POST-OP DRAINABLE POUCH 12OZ
** 50007567	OS NUHOPE 8134 NU-FLEX MINI-POUCH 6OZ
** 50007568	OS NUHOPE 8134-FV NU-FLEX MINI-POUCH WITH FLUTTER VALVE 6OZ
** 50007569	OS NUHOPE 81XX BRIEF POST-OP URINARY POUCH 12OZ
** 50007570	OS NUHOPE 81XX-TS BRIEF POST-OP URINARY TRIM SHIELD POUCH 12OZ
** 50007571	OS NUHOPE 81XX-FV BRIEF POST-OP URINARY POUCH WITH FLUTTER VALVE 12OZ
** 50007572	OS NUHOPE 82XX ADULT POST-OP DRAINABLE POUCH 24OZ 1/2" THROUGH 2" OPENING
** 50007573	OS NUHOPE 82XX ADULT POST-OP DRAINABLE POUCH 24OZ 2-1/4" THROUGH 3" OPENING
** 50007574	OS NUHOPE 82XX ADULT POST-OP URINARY POUCH 24OZ 1/2" THROUGH 2" OPENING
** 50007575	OS NUHOPE 82XX ADULT POST-OP URINARY POUCH 24OZ 2-1/4" THROUGH 3" OPENING
** 50007576	OS NUHOPE 82XX-TS ADULT POST-OP URINARY TRIM SHIELD POUCH 24OZ
** 50007577	OS NUHOPE 82XX-FV ADULT POST-OP URINARY POUCH WITH FLUTTER VALVE 24OZ
** 50007578	OS NUHOPE 8316 DOUBLE BARRELL POST-OP DRAINABLE POUCH
** 50007579	OS NUHOPE 83XX DUALSTICK DRAIN 4" X 12"
** 50007580	OS NUHOPE 8395 DUALSTICK DRAIN 11" X 27"
** 50007581	OS NUHOPE 84XX ADULT HI-POCKETS DRAINABLE POUCH 24OZ
** 50007582	OS NUHOPE 84XX ADULT HI-POCKETS URINARY POUCH 24OZ
** 50007583	OS NUHOPE 84XX-FV ADULT HI-POCKETS URINARY POUCH WITH FLUTTER VALVE
** 50007584	OS NUHOPE 85XX BRIEF HI-POCKETS DRAINABLE POUCH 12OZ
** 50007585	OS NUHOPE 85XX BRIEF HI-POCKETS URINARY POUCH 12OZ
** 50007586	OS NUHOPE 86XX COLOSTOMY POUCH
** 50007587	OS NUHOPE 87XX ADULT NU-SELF DRAINABLE POUCH 24OZ

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Item Number	Drug Name and Strength
** 50007588	OS NUHOPE 88XX BRIEF NU-SELF DRAINABLE POUCH 120Z
** 50003646	OS SKIN CREAM WITH METHYLBENZETHONIUM CL (NOTE: FOR OSTOMY PATIENT USE ONLY)
** 50003648	OS SKIN LIQUID PROTECTIVE BARRIER (NOTE: FOR OSTOMY PATIENT USE ONLY)
** 50003650	OS SKIN PROTECTIVE BARRIER WIPES (NOTE: FOR OSTOMY PATIENT USE ONLY)
** 11701321	OS SWEEN 1321 MICRO-GUARD SKIN CREAM 57GM
** 11701332	OS SWEEN 1332 MICRO-GUARD SKIN CREAM 14GM
** 11701523	OS SWEEN 1523 O.A.D. OSTOMY APPLIANCE DEODORANT 37ML
** 11701525	OS SWEEN 1525 O.A.D. OSTOMY APPLIANCE DEODORANT 237ML
** 11701527	OS SWEEN 1527 O.A.D. OSTOMY APPLIANCE DEODORANT 118ML
** 11701571	OS SWEEN 1571 O.A.D. SWEEN-A-PEEL WAFER SKIN PROTECTANT 4" X 4" 5 WAFERS
** 11701579	OS SWEEN 1579 SWEEN-A-PEEL WAFER SKIN PROTECTANT 12" X 12" 1 WAFER
** 11701921	OS SWEEN 1921 KARAYA POWDER STERILIZED 85GM
** 50008469	OS UNITED 1025 BONGORT SPECIAL PED DRAIN
** 50008468	OS UNITED 1044 MAX-E POUCH OPEN END HOR
** 50008467	OS UNITED 1075 BONGORT PF URIN DIVER PCH
** 50008466	OS UNITED 1076 BONGORT PF URIN DIVER PCH
** 50008465	OS UNITED 1085 SPEC ODOR-BARRIER DRAIN
** 50008464	OS UNITED 1802 COLOSET POUCH
** 50008463	OS UNITED 1805 COLOSET POUCH
** 50008462	OS UNITED 2453 HYPALON FACEPLACE CONVEX
** 50008461	OS UNITED 251X FEATHER-LITE VINYL POUCH
** 50008460	OS UNITED 256 FEATHER-LITE O-P ILEO PCH
** 50008459	OS UNITED 2564 FEATHER-LITE ODRPRF ILEO
** 50008458	OS UNITED 2687 UNIVERSAL ADH GASKETS 3X4
** 50008457	OS UNITED 3006 FEATHER-LITE URINE POUCH
** 50008456	OS UNITED 3120 BEAD-O-RING
** 50008455	OS UNITED 3135 HYPALON FACEPLACE CONVEX
** 50008454	OS UNITED 3206 FEATHER-LITE URINE POUCH
** 50008453	OS UNITED 3406 FEATHER-LITE URINE POUCH
** 50008452	OS UNITED 4000 SKIN-BOND CEMENT 4OZ
** 50008451	OS UNITED 4020 UNISOLVE ADH REMOVER 8 OZ
** 50008450	OS UNITED 4050 URI-KLEEN DEODOR DET 16 OZ
** 50008449	OS UNITED 4060 KARAYA GUM POWDER 2.5 OZ
** 50008448	OS UNITED 4120 BANISH LIQ DEODORANT 37ML
** 50008447	OS UNITED 4121 BANISH LIQ DEOD 237ML

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Item Number	Drug Name and Strength
** 50008446	OS UNITED 4202 SKIN-PREP AEROSOL 170GM
** 50008445	OS UNITED 4204 SKIN-PREP WIPES
** 50008444	OS UNITED 4305 SEAL-TITE GASKETS
** 50008443	OS UNITED 4412 TAIL CLOSURE ADULT
** 50008438	OS UNITED 8150 UNITIP COLO IRRIG SET
** 50008437	OS UNITED 8152 COMB-TIP COLO IRRIG SET
** 50008436	OS UNITED 8404 CONVERT-A-POUCH SOFT FACE
** 50003652	OS WOUND DEODORIZER AND CLEANSER (NOTE: FOR OSTOMY PATIENT USE ONLY)

SECTION 141.3640
EMERGENCY

PARASITICIDAL: ANTHELMINTICS

Item Number	Drug Name and Strength
** 00054516	HETRAZAN TABLET 50MG
** 00063331	MINTEZOL SUSP 500MG/5CC
** 00060907	MINTEZOL TABLET-CHEWABLE 500MG
** 50001610	NICLOSAMIDE CHEWABLE TABLET 500MG
** 50001611	OXAMNIQUINE CAPSULE 250MG
** 60009953	PARASITIC INFECTION DRUGS NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 50004685	PIPERAZINE CITRATE SYRUP 100 MG/CC
** 50001612	PIPERAZINE CITRATE TABLET 250MG
** 50004669	PIPERAZINE CITRATE TABLET 500MG
** 50004677	PIPERAZINE CITRATE WAFER 500MG
** 00710747	POVAN TABLET 50MG
** 50001613	PRAZIQUANTEL TABLET 600MG
** 50004033	PYRANTEL PAMOATE SUSPENSION 144MG/ML (EQUIVALENT TO 50MG/ML PYRANTEL BASE)
** 00625530	VERNOX CHEWABLE TABLET 100MG

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EMERGENCY

PARASITICIDAL: ANTIPROTOZOALS

Item Number	Drug Name and Strength
** 00240082	ATABRINE TABLET 100MG
** 50001580	CARBASONE CAPSULE 250MG
** 50001581	CHLOROQUINE HCL INJECTION 50MG/ML 5ML
** 50002488	CHLOROQUINE PHOSPHATE TAB/CAP 250MG
** 50001261	CHLOROQUINE PHOSPHATE TAB/CAP 500MG

SECTION 141.3680
EMERGENCY

PARASITICIDAL: ANTIPROTOZOALS (Cont'd)

Item Number	Drug Name and Strength
** 50001582	CHLOROQUINE PHOSPHATE 500MG; PRIMAQUINE PHOSPHATE 79MG TABLET
** 00810201	DARAPRIM TABLET 25MG
** 50001583	EMETINE HCL 65MG/ML 1ML AMP
** 50001586	IDOQUINOL POWDER 25GM
** 50001584	IDOQUINOL TABLET 210MG
** 50001585	IDOQUINOL TABLET 650MG
** 50001823	MEFLOQUINE HCL TABLET 25MG
** 50001587	METRONIDAZOLE INJECTION 500MG VIAL
** 50000720	METRONIDAZOLE TABLET 250MG
** 50000722	METRONIDAZOLE TABLET 500MG
** 00241561	PLAQUENIL TABLET 200MG
** 00241597	PRIMAQUINE PHOSPHATE TAB 26.3MG
** 50005148	QUININE SULFATE CAPSULE 120MG
** 50001591	QUININE SULFATE CAPSULE 130MG
** 50005150	QUININE SULFATE CAPSULE 200MG
** 50001593	QUININE SULFATE CAPSULE 260MG
** 50005169	QUININE SULFATE CAPSULE 300MG
** 50001594	QUININE SULFATE CAPSULE 325MG
** 50001598	QUININE SULFATE SUSPENSION 110MG/5ML
** 50001595	QUININE SULFATE TABLET 260MG
** 50001596	QUININE SULFATE TABLET 325MG
** 50001599	SULFADOXINE 500MG; PYRIMETHAMINE 25MG

SECTION 141.3720
EMERGENCY

POTASSIUM

Item Number	Drug Name and Strength
** 50004917	POTASSIUM CHLORIDE INJECTION 10MEQ/5ML SYRINGE
** 50004919	POTASSIUM CHLORIDE INJECTION 20MEQ/10ML SYRINGE
** 50004918	POTASSIUM CHLORIDE INJECTION 20MEQ/10ML AMP
** 50004920	POTASSIUM CHLORIDE INJECTION 30MEQ/20ML SYRINGE
** 50004922	POTASSIUM CHLORIDE INJECTION 40MEQ/20ML SYRINGE
** 50004921	POTASSIUM CHLORIDE INJECTION 40MEQ/20ML AMP
** 50004762	POTASSIUM CHLORIDE ORAL LIQUID 5% GENERIC
** 50004763	POTASSIUM CHLORIDE ORAL LIQUID 10% GENERIC
** 50004764	POTASSIUM CHLORIDE ORAL LIQUID 20% GENERIC

SECTION 141.3720
EMERGENCY

POTASSIUM (Cont'd)

Item Number	Drug Name and Strength
** 50004720	POTASSIUM CHLORIDE SUSTAINED RELEASE CAPSULE/TABLET 500MG (6.7MEQ)
** 50004722	POTASSIUM CHLORIDE SUSTAINED RELEASE CAPSULE/TABLET 600MG (8MEQ)
** 50004724	POTASSIUM CHLORIDE SUSTAINED RELEASE CAPSULE/TABLET 750MG (10MEQ)
** 50004728	POTASSIUM CHLORIDE SUSTAINED RELEASE CAPSULE/TABLET 1500MG (20MEQ)
** 50004700	POTASSIUM CHLORIDE TAB/POWDER PKT 20MEQ
** 50004705	POTASSIUM CHLORIDE TAB/POWDER PKT 25MEQ
** 50004710	POTASSIUM CHLORIDE TAB/POWDER PKT 50MEQ

Item Number	Drug Name and Strength
00870818	BUSPAR TABLET 5MG
00870819	BUSPAR TABLET 10MG
50005405	CHLORDIAZEPOXIDE HCL CAPSULE 5MG
50005410	CHLORDIAZEPOXIDE HCL CAPSULE 10MG
50005425	CHLORDIAZEPOXIDE HCL CAPSULE 25MG
50005430	CHLORDIAZEPOXIDE HCL POWDER FOR INJECTION 100MG WITH DILUENT
50002500	CLORAZEPATE DIPOTASSIUM TABLET 3.75MG
50002502	CLORAZEPATE DIPOTASSIUM TABLET 7.5MG
50002504	CLORAZEPATE DIPOTASSIUM TABLET 15MG
50002491	LORAZEPAM INJECTION 2MG/ML 10ML VIAL
50002493	LORAZEPAM INJECTION 4MG/ML SYRINGE
50002495	LORAZEPAM INJECTION 4MG/ML 10ML VIAL
50004842	LORAZEPAM TABLET 0.5MG
50004844	LORAZEPAM TABLET 1.0MG
50004846	LORAZEPAM TABLET 2.0MG
50002351	OXAZEPAM CAPSULE 10MG
50002353	OXAZEPAM CAPSULE 15MG
50002355	OXAZEPAM CAPSULE 30MG
50002359	OXAZEPAM TABLET 15MG

SECTION 141.3760
EMERGENCY

PSYCHOTHERAPEUTIC: ANTIANXIETY

Item Number	Drug Name and Strength
00870818	BUSPAR TABLET 5MG
00870819	BUSPAR TABLET 10MG
50005405	CHLORDIAZEPOXIDE HCL CAPSULE 5MG
50005410	CHLORDIAZEPOXIDE HCL CAPSULE 10MG
50005425	CHLORDIAZEPOXIDE HCL CAPSULE 25MG
50005430	CHLORDIAZEPOXIDE HCL POWDER FOR INJECTION 100MG WITH DILUENT
50002500	CLORAZEPATE DIPOTASSIUM TABLET 3.75MG
50002502	CLORAZEPATE DIPOTASSIUM TABLET 7.5MG
50002504	CLORAZEPATE DIPOTASSIUM TABLET 15MG
50002491	LORAZEPAM INJECTION 2MG/ML 10ML VIAL
50002493	LORAZEPAM INJECTION 4MG/ML SYRINGE
50002495	LORAZEPAM INJECTION 4MG/ML 10ML VIAL
50004842	LORAZEPAM TABLET 0.5MG
50004844	LORAZEPAM TABLET 1.0MG
50004846	LORAZEPAM TABLET 2.0MG
50002351	OXAZEPAM CAPSULE 10MG
50002353	OXAZEPAM CAPSULE 15MG
50002355	OXAZEPAM CAPSULE 30MG
50002359	OXAZEPAM TABLET 15MG

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SECTION 141.3800
EMERGENCY PSYCHOTHERAPEUTIC: ANTIDEPRESSANTS

Item Number	Drug Name and Strength
** 50005125	AMITRIPTYLINE HCL 12.5MG; CHLORDIAZEPOXIDE 5MG TABLET
** 50005127	AMITRIPTYLINE HCL 25MG; CHLORDIAZEPOXIDE 10MG TABLET
** 50006630	AMITRIPTYLINE HCL INJ 10MG/ML 10ML VIAL
** 50002710	AMITRIPTYLINE HCL TABLET 10MG
** 50002725	AMITRIPTYLINE HCL TABLET 25MG
** 50002750	AMITRIPTYLINE HCL TABLET 50MG
** 50002775	AMITRIPTYLINE HCL TABLET 75MG
** 50002800	AMITRIPTYLINE HCL TABLET-100MG
** 50002850	AMITRIPTYLINE HCL TABLET-150MG
** 50006445	DESIPRAMINE HCL CAPSULE 25MG
** 50006447	DESIPRAMINE HCL CAPSULE 50MG
** 50004635	DESIPRAMINE HCL TABLET 10MG
** 50001815	DESIPRAMINE HCL TABLET 25MG
** 50001816	DESIPRAMINE HCL TABLET 50MG
** 50001822	DESIPRAMINE HCL TABLET 75MG
** 50001824	DESIPRAMINE HCL TABLET 100MG
** 50001826	DESIPRAMINE HCL TABLET 150MG
** 50005359	DOXEPIN HCL CONCENTRATE 10MG/ML 120ML
** 50005352	DOXEPIN HCL CAPSULE 10MG
** 50005353	DOXEPIN HCL CAPSULE 25MG
** 50005354	DOXEPIN HCL CAPSULE 50MG
** 50005356	DOXEPIN HCL CAPSULE 75MG
** 50005357	DOXEPIN HCL CAPSULE 100MG
** 50005358	DOXEPIN HCL CAPSULE 150MG
** 50003474	IMIPRAMINE HCL INJECTION 25MG/2ML 2ML AMP
** 50006068	IMIPRAMINE HCL TABLET 10MG
** 50006076	IMIPRAMINE HCL TABLET 25MG
** 50006078	IMIPRAMINE HCL TABLET 50MG
** 50003541	MAPROTIline HCL TABLET 25MG
** 50003543	MAPROTIline HCL TABLET 50MG
** 50003545	MAPROTIline HCL TABLET 75MG
** 00470270	NARDIL TABLET 15MG
** 50002005	NORTRIPTYLINE HCL SOLUTION 10MG/5ML
** 50002010	NORTRIPTYLINE HCL CAPSULE 10MG
** 50002025	NORTRIPTYLINE HCL CAPSULE 25MG
** 50002511	NORTRIPTYLINE HCL CAPSULE 50MG
** 50002075	NORTRIPTYLINE HCL CAPSULE 75MG
** 00071471	PARNATE TABLET 10MG
** 07773105	PROZAC CAPSULE 20MG
** 50000771	TRAZODONE HCL TABLET 50MG
** 50000773	TRAZODONE HCL TABLET 100MG

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SECTION 141.3800
EMERGENCY PSYCHOTHERAPEUTIC: ANTIDEPRESSANTS (Cont'd)

Item Number	Drug Name and Strength
** 50000775	TRAZODONE HCL TABLET 150MG
** 50000777	TRAZODONE HCL TABLET 300MG
** 00060026	VIVACTIL TABLET 5MG
** 00060047	VIVACTIL TABLET 10MG
** 00810177	WELLBUTRIN TABLET 75MG
** 00810178	WELLBUTRIN TABLET 100MG
SECTION 141.3840 EMERGENCY PSYCHOTHERAPEUTIC: ANTIMANIC	
Item Number	Drug Name and Strength
** 50004757	LITHIUM CARBONATE CAPSULE 150MG
** 50004755	LITHIUM CARBONATE CAPSULE 300MG
** 50001914	LITHIUM CARBONATE CAPSULE 600MG
** 50004760	LITHIUM CARBONATE TABLET 300MG
** 50004761	LITHIUM CARBONATE TAB/CAP 300MG SR
** 50004660	LITHIUM CARBONATE TAB/CAP 450MG SR
** 50004759	LITHIUM CITRATE SYRUP - 8MEQ LITHIUM/5ML
SECTION 141.3880 EMERGENCY PSYCHOTHERAPEUTIC: ANTIPARKINSON	
Item Number	Drug Name and Strength
** 50006621	BENZTROPINE MESYLATE INJECTION 1MG/ML 2ML
** 50006623	BENZTROPINE MESYLATE TABLET 0.5 MG
** 50006625	BENZTROPINE MESYLATE TABLET 1.0MG
** 50006627	BENZTROPINE MESYLATE TABLET 2.0MG
** 50003381	LEVODOPA TABLET/CAPSULE 100MG
** 50003382	LEVODOPA TABLET/CAPSULE 250MG
** 50003384	LEVODOPA TABLET/CAPSULE 500MG
** 00024131	PERMAX TABLET 0.05MG
** 00024133	PERMAX TABLET 0.25MG
** 00024135	PERMAX TABLET 1.0MG
** 00060647	SINEMET TABLET 10/100
** 00060650	SINEMET TABLET 25/100
** 00060654	SINEMET TABLET 25/250
** 50006489	TRIHENXYPHENIDYL HCL ELIXIR 2MG/5CC
** 50006485	TRIHENXYPHENIDYL HCL 2MG
** 50006487	TRIHENXYPHENIDYL HCL 5MG
** 50006491	TRIHENXYPHENIDYL HCL - TD 5MG

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PSYCHOTHERAPEUTIC: ANTIPSYCHOTIC

Item Number	Drug Name and Strength
** 50005940	CHLORPROMAZINE CAPSULE SR 30MG
** 50005959	CHLORPROMAZINE CAPSULE SR 75MG
** 50005960	CHLORPROMAZINE CAPSULE SR 150MG
** 50005961	CHLORPROMAZINE CAPSULE SR 200MG
** 50005962	CHLORPROMAZINE CAPSULE SR 300MG
** 50006010	CHLORPROMAZINE CONCENTRATE 30MG/ML 120ML
** 50006012	CHLORPROMAZINE CONCENTRATE 100MG/ML 240ML
** 50000065	CHLORPROMAZINE INJECTION 25MG/ML 10ML VIAL
** 50000066	CHLORPROMAZINE INJECTION 25MG/ML AMP
** 50000068	CHLORPROMAZINE INJECTION 50MG/2ML AMP
** 50005991	CHLORPROMAZINE SUPPOSITORY 25MG
** 50006009	CHLORPROMAZINE SUPPOSITORY 100MG
** 50005983	CHLORPROMAZINE SYRUP 10MG/5ML 120ML
** 50005908	CHLORPROMAZINE TABLET 25MG
** 50005916	CHLORPROMAZINE TABLET 10MG
** 50005924	CHLORPROMAZINE TABLET 50MG
** 50005932	CHLORPROMAZINE TABLET 100MG
** 50005934	CHLORPROMAZINE TABLET 200MG
** 50003437	FLUPHENAZINE DECANOATE INJ 25MG/ML 1ML S
** 50003438	FLUPHENAZINE DECANOATE INJ 25MG/ML 5ML V
** 50003439	FLUPHENAZINE ENANTHATE INJ 25MG/ML 1ML S
** 50003440	FLUPHENAZINE ENANTHATE INJ 25MG/ML 5ML V
** 50002778	FLUPHENAZINE HYDROCHLORIDE CONC 5MG/CC
** 50002777	FLUPHENAZINE HYDROCHLORIDE ELIXIR .5MG/CC
** 50002776	FLUPHENAZINE HYDROCHLORIDE TAB RA 1MG
** 50002780	FLUPHENAZINE HYDROCHLORIDE TAB 0.25MG
** 50002781	FLUPHENAZINE HYDROCHLORIDE TAB 1.00MG
** 50002782	FLUPHENAZINE HYDROCHLORIDE TAB 2.50MG
** 50002783	FLUPHENAZINE HYDROCHLORIDE TAB 5.00MG
** 50002784	FLUPHENAZINE HYDROCHLORIDE TAB-10.00MG
** 50003441	FLUPHENAZINE-HCL INJ 2.5MG/ML 10ML VIAL
** 50003799	HALOPERIDOL DECANOATE INJ 70.52MG/ML (50MG/ML HALOPERIDOL) 1ML AMP/VIAL
** 50003803	HALOPERIDOL DECANOATE INJ 70.52MG/ML (50MG/ML HALOPERIDOL) 5ML VIAL
** 50001409	HALOPERIDOL DECANOATE INJ 141.04MG/ML (100MG/ML HALOPERIDOL) 1ML AMP
** 50001408	HALOPERIDOL DECANOATE INJ 141.04MG/ML (100MG/ML HALOPERIDOL) 5ML VIAL
** 50004805	HALOPERIDOL INJECTION 5MG/ML 1ML
** 50004807	HALOPERIDOL INJECTION 5ML/ML 10ML
** 50004801	HALOPERIDOL LACTATE ORAL CONCENTRATE 2MG/ML 15ML

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SECTION 141.3920
EMERGENCY

PSYCHOTHERAPEUTIC: ANTIPSYCHOTIC (Cont'd)

Item Number	Drug Name and Strength
** 50004803	HALOPERIDOL LACTATE ORAL CONCENTRATE 2MG/ML 240ML
** 50004809	HALOPERIDOL TABLET 0.5MG
** 50004811	HALOPERIDOL TABLET 1.0MG
** 50004813	HALOPERIDOL TABLET 2.0MG
** 50004815	HALOPERIDOL TABLET 5.0MG
** 50004817	HALOPERIDOL TABLET 10.0MG
** 50004819	HALOPERIDOL TABLET 20.0MG
** 00055385	LOXAPINE HCL INJ IM 1ML AMP 50MG/ML
** 00056385	LOXAPINE HCL INJ IM 10ML VIAL 50MG/ML
** 50002357	LOXAPINE SUCCINATE 5MG
** 50002358	LOXAPINE SUCCINATE 10MG
** 50002360	LOXAPINE SUCCINATE 25MG
** 50002362	LOXAPINE SUCCINATE 50MG
** 50002366	LOXAPINE SUCCINATE CONCENTRATE 25MG/ML
** 50003128	MOLINDONE HCL 5MG TAB/CAP
** 50003130	MOLINDONE HCL 10MG TAB/CAP
** 50003132	MOLINDONE HCL 25MG TAB/CAP
** 50003134	MOLINDONE HCL 50MG TAB/CAP
** 50003136	MOLINDONE HCL 100MG TAB/CAP
** 50002009	MOLINDONE HCL CONCENTRATE 20MG/ML
** 00450352	ORAP TABLET 2MG
** 50003170	PERPHENAZINE CONCENTRATE 16MG/5ML 118ML
** 50003172	PERPHENAZINE INJECTION 5MG/ML 1ML
** 50003176	PERPHENAZINE TABLET 2MG
** 50003178	PERPHENAZINE TABLET 4MG
** 50003180	PERPHENAZINE TABLET 8MG
** 50003174	PERPHENAZINE TABLET SUSTAINED ACTION 8MG
** 50003182	PERPHENAZINE TABLET 16MG
** 50007347	PROCHLORPERAZINE EDIS INJ 5MG/ML 10ML VIAL
** 50007348	PROCHLORPERAZINE EDIS INJ 10MG/2ML AMP
** 50007354	PROCHLORPERAZINE EDISYLATE CONC 10MG/ML
** 50007350	PROCHLORPERAZINE EDISYLATE SYR 5MG/5ML
** 50007351	PROCHLORPERAZINE MALEATE TAB/CAP 5MG
** 50007352	PROCHLORPERAZINE MALEATE TAB/CAP 10MG
** 50007353	PROCHLORPERAZINE MALEATE TAB/CAP 25MG
** 50007358	PROCHLORPERAZINE MALEATE TR CAP/TAB 10MG
** 50007359	PROCHLORPERAZINE MALEATE TR CAP/TAB 15MG
** 50007360	PROCHLORPERAZINE MALEATE TR CAP/TAB 30MG
** 50007361	PROCHLORPERAZINE MALEATE TR CAP/TAB 75MG
** 00080251	PROKETAZINE TABLET 12.5MG
** 00080252	PROKETAZINE TABLET 25.0MG
** 00080253	PROKETAZINE TABLET 50.0MG

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NOTICE OF EMERGENCY REPEALER

SECTION 141.3920 PSYCHOTHERAPEUTIC: ANTIPSYCHOTIC (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50007371	PROMAZINE HCL CONC 30MG/ML 120ML
** 50007373	PROMAZINE HCL INJ 25MG/ML - 10ML VIAL
** 50007374	PROMAZINE HCL INJ 25MG/ML SYRINGE
** 50007375	PROMAZINE HCL INJ 50MG/ML - 2ML VIAL
** 50007376	PROMAZINE HCL INJ 50MG/ML - 10ML VIAL
** 50007377	PROMAZINE HCL INJ 50MG/ML SYRINGE
** 50007378	PROMAZINE HCL INJ 100MG/2ML SYRINGE
** 50007379	PROMAZINE HCL SYRUP 10MG/5ML 120ML
** 50007380	PROMAZINE HCL TAB/CAP 10MG
** 50007381	PROMAZINE HCL TAB/CAP 25MG
** 50007382	PROMAZINE HCL TAB/CAP 50MG
** 50007383	PROMAZINE HCL TAB/CAP 100MG
** 05970025	SERENTIL CONCENTRATE 25MG/CC
** 05970027	SERENTIL INJECTION 25MG/ML 1ML AMP
** 05970020	SERENTIL TABLET 10MG
** 05970021	SERENTIL TABLET 25MG
** 05970022	SERENTIL TABLET 50MG
** 05970023	SERENTIL TABLET 100MG
** 00041010	TARACTAN CONCENTRATE 100MG/5CC
** 00041926	TARACTAN INJECTION 25MG/2ML AMP
** 00040045	TARACTAN TABLET 10MG
** 00040046	TARACTAN TABLET 25MG
** 00040047	TARACTAN TABLET 50MG
** 00040049	TARACTAN TABLET 100MG
** 50006531	THIORIDAZINE HCL CONCENTRATE 30MG/ML
** 50006533	THIORIDAZINE HCL CONCENTRATE 100MG/ML
** 50006535	THIORIDAZINE HCL SUSPENSION 25MG/5ML
** 50006537	THIORIDAZINE HCL SUSPENSION 100MG/5ML
** 50006541	THIORIDAZINE HCL TABLET 10MG
** 50006543	THIORIDAZINE HCL TABLET 15MG
** 50006545	THIORIDAZINE HCL TABLET 25MG
** 50006547	THIORIDAZINE HCL TABLET 50MG
** 50006549	THIORIDAZINE HCL TABLET 100MG
** 50006551	THIORIDAZINE HCL TABLET 150MG
** 50006553	THIORIDAZINE HCL TABLET 200MG
** 50006640	THIOXIXENE CAPSULE 1MG
** 50006642	THIOXIXENE CAPSULE 2MG
** 50006644	THIOXIXENE CAPSULE 5MG
** 50006646	THIOXIXENE CAPSULE 10MG
** 50006648	THIOXIXENE CAPSULE 20MG
** 50006635	THIOXIXENE HCL CONCENTRATE 5MG/ML 30ML
** 50006637	THIOXIXENE HCL CONCENTRATE 5MG/ML 120ML
** 50006627	THIOXIXENE HCL INJECTION 2MG/ML 2ML VIAL
** 50006629	THIOXIXENE HCL INJECTION 5MG/ML 2ML VIAL

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SECTION 141.3920 PSYCHOTHERAPEUTIC: ANTIPSYCHOTIC (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 00850968	TINDAL TABLET 20MG
** 50001262	TRIFLUOPERAZINE HCL CONC 10MG/ML
** 50001264	TRIFLUOPERAZINE HCL INJECTION 2MG/ML
** 50001266	TRIFLUOPERAZINE HCL TABLET 1MG
** 50001268	TRIFLUOPERAZINE HCL TABLET 2MG
** 50001270	TRIFLUOPERAZINE HCL TABLET 5MG
** 50001272	TRIFLUOPERAZINE HCL TABLET 10MG
** 00031987	VESPRIN INJECTION 10MG/ML 1ML SYRINGE
** 00030987	VESPRIN INJECTION 10MG/ML 10ML VIAL
** 00030920	VESPRIN INJECTION 20MG/ML 1ML AMP
** 00030935	VESPRIN SUSPENSION 50MG/5CC 120CC
** 00030921	VESPRIN TABLET 10MG
** 00030922	VESPRIN TABLET 25MG
** 00030923	VESPRIN TABLET 50MG

SECTION 141.3960 PSYCHOTHERAPEUTIC: MISCELLANEOUS
EMERGENCY

Item Number	Drug Name and Strength
** 50004010	AMITRIPTYLINE HCL 10MG; PERPHENAZINE 2MG TABLET
** 50004022	AMITRIPTYLINE HCL 10MG; PERPHENAZINE 4MG TABLET
** 50004020	AMITRIPTYLINE HCL 25MG; PERPHENAZINE 2MG TABLET
** 50004024	AMITRIPTYLINE HCL 25MG; PERPHENAZINE 4MG TABLET
** 50004026	AMITRIPTYLINE HCL 50MG; PERPHENAZINE 4MG TABLET
** 00830115	ANAFRANIL CAPSULE 25MG
** 00830116	ANAFRANIL CAPSULE 50MG
** 00830117	ANAFRANIL CAPSULE 100MG
** 00746088	CYLERT CHEWABLE TABLET 37.5MG
** 00746025	CYLERT TABLET 18.75MG
** 00746057	CYLERT TABLET 37.50MG
** 00746073	CYLERT TABLET 75.00MG
** 50003009	ERGOLOID MESYLATES ORAL CAPSULE 1.0MG
** 50003008	ERGOLOID MESYLATES ORAL TABLET 1.0MG
** 50003004	ERGOLOID MESYLATES SUBLINGUAL TABLET 0.5MG
** 50003006	ERGOLOID MESYLATES SUBLINGUAL TABLET 1.0MG
** 50003159	METHYLPHENIDATE HCL TABLET 5MG

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SECTION 141.3960
EMERGENCY

PSYCHOTHERAPEUTIC: MISCELLANEOUS (Cont'd)

Item Number	Drug Name and Strength
50003161	METHYLPHENIDATE HCL TABLET 10MG
50003163	METHYLPHENIDATE HCL TABLET 20MG
50003165	METHYLPHENIDATE HCL TABLET CONTROLLED RELEASE 20MG
SECTION 141.4000 EMERGENCY	
PSYCHOTHERAPEUTIC: SEDATIVE/HYPNOTIC	
Item Number	Drug Name and Strength
50002790	FLURAZEPAM CAPSULE 15MG
00090010	HALCION TABLET 0.125MG
00090017	HALCION TABLET 0.25MG
00090027	HALCION TABLET 0.5MG
50003696	TENAZEPAM CAPSULE 30MG
50003698	TENAZEPAM CAPSULE 30MG

SECTION 141.4040
EMERGENCY

RESPIRATORY/ALLERGIC: ANTIASTHMATIC

Item Number	Drug Name and Strength
** 03693007	AEROBID AEROSOL 7GM CANISTER 250MCG/ACTUATION 100 DOSES/INHALER
** 50000614	ALBUTEROL SULFATE INHALER 17GM
** 50000616	ALBUTEROL SULFATE INHALER 17GM - REFILL
** 50001981	ALBUTEROL SULFATE SOLUTION FOR INHALATION 0.5%
** 40001095	ALBUTEROL SULFATE SYRUP 2MG/5ML
** 50002323	ALBUTEROL SULFATE TABLET SR 4MG
** 50002320	ALBUTEROL SULFATE TABLET 2MG
** 50002322	ALBUTEROL SULFATE TABLET 4MG
** 50000023	AMINOPHYLLINE IV INJECTION 500MG/20ML AMP
** 50002414	AMINOPHYLLINE ORAL SOLUTION 315MG/15ML
** 50000108	AMINOPHYLLINE TABLET 100MG
** 50000116	AMINOPHYLLINE TABLET 200MG
** 50000117	AMINOPHYLLINE TABLET SR 225MG
** 05970082	ATROVENT INHALATION AEROSOL 14GM
** 50006490	17MCG/ACTUATION 200 DOSES/UNIT
** 50005692	BECLMETHASONE DIPROPIONATE AEROSOL INHALER
** 50005692	42MCG/ ACTUATION 16.8GM UNIT ORAL
** 50005692	BECLMETHASONE DIPROPIONATE AEROSOL INH
** 50005692	42MCG/ACTUATION 16.8GM UNIT ORAL REFILL

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SECTION 141.4040
EMERGENCY

RESPIRATORY/ALLERGIC: ANTIASTHMATIC (Cont'd)

Item Number	Drug Name and Strength
** 50006488	BECLMETHASONE DIPROPIONATE NASAL INHALER 42MCG/ACTUATION 16.8GM UNIT
** 50006486	BECLMETHASONE DIPROPIONATE NASAL SPRAY 0.042% 25ML
** 50002519	CROMOLYN SODIUM AEROSOL INHALER 8.1GM
** 50002521	800MCG/ACTUATION (112 SPRAYS/UNIT)
** 50001003	CROMOLYN SODIUM AEROSOL INHALER 14.2GM
** 50001005	800MCG/ACTUATION (200 SPRAYS/UNIT)
** 50001007	CROMOLYN SODIUM CAPSULE 20MG
** 50001009	CROMOLYN SODIUM NASAL SOLUTION 40MG/ML 13ML BOTTLE WITH SPRAY
** 50001014	CROMOLYN SODIUM NASAL SOLUTION 40MG/ML 40MG/ML 13ML REFILL BOTTLE
** 50001004	26ML BOTTLE WITH SPRAY
** 50004150	CROMOLYN SODIUM NEBULIZER SOLUTION 20MG/2ML AMP
** 50004152	ISOETHARINE HYDROCHLORIDE SOLUTION 1.0% 10ML UNIT
** 00890790	ISOETHARINE HYDROCHLORIDE SOLUTION 1.0% 30ML UNIT
** 50004965	MAXAIR AEROSOL INHALER COMPLETE 0.2MG/DOSE 300 ACTIVATIONS/UNIT 25.6GM
** 50006032	METAPROTERENOL SULF INH SOLN 5.0% 10ML
** 50002041	METAPROTERENOL SULF INH SOLN 5% 30ML
** 50002043	METAPROTERENOL SULFATE INHALATION AEROSOL 650MCG/ACTUATION 200 PUFF COMPLETE UNIT
** 50004095	METAPROTERENOL SULFATE INHALATION AEROSOL 650MCG/ACTUATION 200 PUFF REFILL UNIT
** 50004099	METAPROTERENOL SULFATE SYRUP 10MG/5ML
** 50004102	METAPROTERENOL SULFATE TABLET 10MG
** 50006480	METAPROTERENOL SULFATE TABLET 20MG
** 50006482	TERBUTALINE SULFATE AEROSOL INHALER 0.20MG/ACTUATION 7.5ML UNIT
** 50006476	TERBUTALINE SULFATE AEROSOL INHALER 0.20MG/ACTUATION 7.5ML REFILL
** 50006477	TERBUTALINE SULFATE INJECTION 1.0MG/1ML
** 50006478	TERBUTALINE SULFATE TABLET 2.5MG
** 50007134	TERBUTALINE SULFATE TABLET 5.0MG
** 50007139	THEOPHYLLINE LIQUID 80MG/15ML
** 50007140	THEOPHYLLINE LIQUID 150MG/15ML
** 50007142	THEOPHYLLINE LIQUID 160MG/15ML
** 50007142	THEOPHYLLINE SUSPENSION 100MG/5ML

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SECTION 141.4040 RESPIRATORY/ALLERGIC: ANTI-ASTHMATIC (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50007146	THEOPHYLLINE ANHYDROUS CAP/TAB 100MG
** 50007150	THEOPHYLLINE ANHYDROUS CAP/TAB 200MG
** 50005689	THEOPHYLLINE ANHYDROUS CAP/TAB 300MG
** 50003702	THEOPHYLLINE ANHYDROUS TD CAPSULE 50MG
** 50003704	THEOPHYLLINE ANHYDROUS TD CAPSULE 60MG
** 50003706	THEOPHYLLINE ANHYDROUS TD CAPSULE 65MG
** 50003708	THEOPHYLLINE ANHYDROUS TD CAPSULE 75MG
** 50003710	THEOPHYLLINE ANHYDROUS TD CAPSULE 100MG
** 50003712	THEOPHYLLINE ANHYDROUS TD CAPSULE 125MG
** 50003714	THEOPHYLLINE ANHYDROUS TD CAPSULE 130MG
** 50003716	THEOPHYLLINE ANHYDROUS TD CAPSULE 200MG
** 50003726	THEOPHYLLINE ANHYDROUS TD CAPSULE 250MG
** 50003718	THEOPHYLLINE ANHYDROUS TD CAPSULE 260MG
** 50003720	THEOPHYLLINE ANHYDROUS TD CAPSULE 300MG
** 50007160	THEOPHYLLINE ANHYDROUS TD TABLET 100MG
** 50007166	THEOPHYLLINE ANHYDROUS TD TABLET 200MG
** 50007168	THEOPHYLLINE ANHYDROUS TD TABLET 250MG
** 50007172	THEOPHYLLINE ANHYDROUS TD TABLET 300MG
** 50007175	THEOPHYLLINE ANHYDROUS TD TABLET 400MG
** 50007177	THEOPHYLLINE ANHYDROUS TD TABLET 450MG
** 00241060	TORNALATE AEROSOL INHALER 0.8% 0.37MG/ ACTUATION 15ML UNIT
** 00241061	TORNALATE AEROSOL INHALER 0.8% 0.37MG/ACTUATION 15ML-REFILL
** 50000440	TRIAMCINOLONE ACETONIDE AEROSOL INHALER 20GM

SECTION 141.4080
EMERGENCY

RESPIRATORY/ALLERGIC: ANTIHISTAMINE

Item Number	Drug Name and Strength
50000957	DIPHENHYDRAMINE HCL CAPSULE 25MG
50000965	DIPHENHYDRAMINE HCL CAPSULE 50MG
50000973	DIPHENHYDRAMINE HCL 12.5MG/5ML
50000993	DIPHENHYDRAMINE INJECT 10MG/ML 10ML VIAL
50000994	DIPHENHYDRAMINE INJECT 10MG/ML 30ML VIAL
50000996	DIPHENHYDRAMINE INJECT 50MG/1ML AMP
50000995	DIPHENHYDRAMINE INJECT 50MG/ML 10ML VIAL
50003464	HYDROXYZINE INJECTION 25MG/ML 1ML SYRINGE
50003472	HYDROXYZINE INJECTION 25MG/ML 10ML VIAL
50003470	HYDROXYZINE INJECTION 50MG/ML 1ML SYRINGE
50000077	HYDROXYZINE INJECTION 50MG/ML 2ML SYRINGE

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SECTION 141.4080 RESPIRATORY/ALLERGIC: ANTIHISTAMINE (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
50003471	HYDROXYZINE INJECTION 50MG/ML 2ML VIAL
50003473	HYDROXYZINE INJECTION 50MG/ML 10ML VIAL
50004928	PROMETHAZINE INJECTION 25MG/ML 1ML AMP
50004952	PROMETHAZINE INJECTION 25MG/ML 1ML SYRINGE
50004929	PROMETHAZINE INJECTION 25MG/ML 10ML VIAL
50004930	PROMETHAZINE INJECTION 50MG/ML 1ML AMP
50004954	PROMETHAZINE INJECTION 50MG/ML 1ML SYRINGE
50004931	PROMETHAZINE INJECTION 50MG/ML 10ML VIAL

SECTION 141.4120 RESPIRATORY STIMULANTS
EMERGENCY

Item Number	Drug Name and Strength
50004317	BACLOFEN TABLET 10MG
50004319	BACLOFEN TABLET 20MG
00350030	DANTRIUM CAPSULE 25MG
00350031	DANTRIUM CAPSULE 50MG
00350033	DANTRIUM CAPSULE 100MG
00350038	DANTRIUM ORAL SUSPENSION 5MG/ML

SECTION 141.4160 SKELETAL MUSCLE RELAXANTS
EMERGENCY

Item Number	Drug Name and Strength
50004317	BACLOFEN TABLET 10MG
50004319	BACLOFEN TABLET 20MG
00350030	DANTRIUM CAPSULE 25MG
00350031	DANTRIUM CAPSULE 50MG
00350033	DANTRIUM CAPSULE 100MG
00350038	DANTRIUM ORAL SUSPENSION 5MG/ML

SECTION 141.4200 SKIN/MUCOUS MEMBRANE: ANTIBIOTICS
EMERGENCY

Item Number	Drug Name and Strength
** 50000006	BACITRACIN OINTMENT 15GM SIZE
** 50000007	BACITRACIN OINTMENT 30GM SIZE
** 50002430	BACITRACIN/NEOMYCIN/POLYMYXIN TOP OINT 15GM
** 50002432	BACITRACIN/NEOMYCIN/POLYMYXIN TOP OINT 30GM
** 50002434	BACITRACIN/POLYMYXIN TOP OINT 15GM
** 50002436	BACITRACIN/POLYMYXIN TOP OINT 30GM
** 50001641	CHLORAMPHENICOL CREAM 1% 30GM
** 50001642	CHLORTETRACYCLINE HCL OINTMENT 3% 14.2GM
** 50001643	CHLORTETRACYCLINE HCL OINTMENT 3% 30GM

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SECTION 141.4200
EMERGENCY

SKIN/MUCOUS MEMBRANE: ANTIBIOTICS (Cont'd)

Item Number Drug Name and Strength

** 50001332 CLINDAMYCIN PHOSPHATE LOTION 1% 60ML
 ** 50001633 CLINDAMYCIN PHOSPHATE TOPICAL GEL 1% 7.5GM
 ** 50001635 CLINDAMYCIN PHOSPHATE TOPICAL GEL 1% 30GM
 ** 50001644 CLINDAMYCIN PHOSPHATE TOPICAL
 SOLUTION 10MG/ML 30ML
 ** 50001645 CLINDAMYCIN PHOSPHATE TOPICAL
 SOLUTION 10MG/ML 60ML
 ** 50003287 ERYTHROMYCIN GEL 2% 30GM
 ** 50003289 ERYTHROMYCIN GEL 2% 65GM
 ** 50003517 ERYTHROMYCIN SWAB 2%
 ** 50001646 ERYTHROMYCIN TOPICAL SOLUTION 1.5% 60ML
 ** 50001647 ERYTHROMYCIN TOPICAL SOLUTION 2.0% 60ML
 ** 50001648 GENTAMICIN SULFATE CREAM 0.1% 15GM
 ** 50001649 GENTAMICIN SULFATE OINTMENT 0.1% 15GM
 ** 50001650 MECLOCYCLINE SULFOSALICYLATE CREAM 1% 20GM
 ** 50001650 MECLOCYCLINE SULFOSALICYLATE CREAM 1% 45GM
 ** 50001640 MECLOCYCLINE SULFOSALICYLATE CREAM 1% 28.4GM
 ** 50006133 METRONIDAZOLE TOPICAL GEL 0.75% 15GM
 ** 50006421 MUPIROICIN OINTMENT 2% 15GM
 ** 50003860 NEOMYCIN SULFATE OINTMENT 0.5% 15GM
 ** 50003861 NEOMYCIN SULFATE OINTMENT 0.5% 30GM
 ** 60008024 SKIN/MUCOUS MEMBRANE ANTIBIOTIC-NOT
 OTHERWISE LISTED-IF LAW REQUIRES RX
 ** 00690860 TERRAMYCIN TOPICAL PWD C POLYMYXIN 30GM
 ** 50001652 TETRACYCLINE HCL OINTMENT 3% 14.2GM TUBE
 ** 37000401 TETRACYCLINE TOPICAL SOLUTION 2.2MG/ML

SECTION 141.4230
EMERGENCY

SKIN/MUCOUS MEMBRANE: ANTIFUNGAL/ANTI-INFLAMMATORY

Item Number Drug Name and Strength

00850924 LOTRISONE CREAM 15GM
 00851924 LOTRISONE CREAM 45GM
 50003221 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% CREAM 15GM
 50003223 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% CREAM 30GM
 50003225 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% CREAM 60GM
 50003227 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% OINTMENT 15GM
 50003229 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% OINTMENT 30GM

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SECTION 141.4230
EMERGENCY

SKIN/MUCOUS MEMBRANE: ANTIFUNGAL/ANTI-INFLAMMATORY (Cont'd)

Item Number Drug Name and Strength

50003231 NYSTATIN 100,000U/GM; TRIAMCINOLONE
 ACETONIDE 0.1% OINTMENT 60GM

SECTION 141.4240
EMERGENCY

SKIN/MUCOUS MEMBRANE: ANTI-INFLAMMATORIES

Item Number Drug Name and Strength

40001012 BETAMETHASONE DIPROPIONATE CREAM 0.05% 15GM
 40001017 BETAMETHASONE DIPROPIONATE CREAM 0.05% 45GM
 40002057 BETAMETHASONE DIPROPIONATE LOTION 0.05% 20ML
 40001083 BETAMETHASONE DIPROPIONATE LOTION 0.05% 60ML
 40001021 BETAMETHASONE DIPROPIONATE OINTMENT 0.05% 15GM
 40001013 BETAMETHASONE DIPROPIONATE OINTMENT 0.05% 15GM
 40001018 BETAMETHASONE VALERATE CREAM 0.1% 15GM
 40001022 BETAMETHASONE VALERATE CREAM 0.1% 45GM
 40001014 BETAMETHASONE VALERATE LOTION 0.1% 60ML
 40001009 BETAMETHASONE VALERATE OINTMENT 0.1% 15GM
 40001005 BETAMETHASONE VALERATE OINTMENT 0.1% 45GM
 00210695 CORTIFOAM AEROSOL 20GM
 01050048 DERMASMOOTH/FS OIL 120ML
 40001007 FLUOCINOLONE ACETONIDE CREAM 0.01% 15GM
 40002062 FLUOCINOLONE ACETONIDE CREAM 0.01% 60GM
 40001027 FLUOCINOLONE ACETONIDE CREAM 0.025% 15GM
 40001030 FLUOCINOLONE ACETONIDE CREAM 0.025% 60GM
 40001035 FLUOCINOLONE ACETONIDE OINTMENT 0.025% 15GM
 40001006 FLUOCINOLONE ACETONIDE OINTMENT 0.025% 60GM
 40001028 FLUOCINOLONE ACETONIDE TOPICAL SOLUTION 0.01%
 60ML
 50004127 HYDROCORTISONE CREAM 1% 120GM
 50004129 HYDROCORTISONE CREAM 1% 480GM
 50004133 HYDROCORTISONE CREAM 1% 60GM
 40001071 HYDROCORTISONE CREAM 2.5% 20GM
 50003135 HYDROCORTISONE ENEMA 100MG/60CC
 50004128 HYDROCORTISONE OINTMENT 1% 120GM
 50004130 HYDROCORTISONE OINTMENT 1% 480GM
 50004136 HYDROCORTISONE OINTMENT 1% 60GM
 50004019 HYDROCORTISONE OINTMENT 2.5% 20GM
 00321920 PROCTOFOAM CREAM C APPLICATOR 30GM
 00210690 PROCTOFOAM HC AEROSOL
 50005713 TRIAMCINOLONE ACETONIDE CREAM 0.025% 15GM
 50005715 TRIAMCINOLONE ACETONIDE CREAM 0.025% 80GM

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SECTION 141.4240 SKIN/MUCOUS MEMBRANE: ANTI-INFLAMMATORIES
EMERGENCY (Cont'd)

Item Number	Drug Name and Strength
** 50005717	TRIAMCINOLONE ACETONIDE CREAM 0.025% 454GM
** 50005704	TRIAMCINOLONE ACETONIDE CREAM 0.1% 15GM
** 50005705	TRIAMCINOLONE ACETONIDE CREAM 0.1% 80GM
** 50005719	TRIAMCINOLONE ACETONIDE CREAM 0.1% 454GM
** 50005706	TRIAMCINOLONE ACETONIDE CREAM 0.5% 15GM
** 50005721	TRIAMCINOLONE ACETONIDE OINTMENT 0.025% 15GM
** 50005723	TRIAMCINOLONE ACETONIDE OINTMENT 0.025% 80GM
** 50004360	TRIAMCINOLONE ACETONIDE OINTMENT 0.025% 454GM
** 50005707	TRIAMCINOLONE ACETONIDE OINTMENT 0.1% 15GM
** 50005708	TRIAMCINOLONE ACETONIDE OINTMENT 0.1% 80GM
** 50004380	TRIAMCINOLONE ACETONIDE OINTMENT 0.1% 454GM
** 50004390	TRIAMCINOLONE ACETONIDE OINTMENT 0.5% 15GM

SECTION 141.4280

SKIN/MUCOUS MEMBRANE:
EMERGENCY ANTIPRURITICS/ANESTHETICS

Item Number	Drug Name and Strength
00470082	ANUSOL OINTMENT
00470083	ANUSOL SUPPOSITORY
50000678	LIDOCAINE HCL VISCOUS SOLUTION 2% 100ML
00835830	NUPERCAINAL CREAM 45GM
00836812	NUPERCAINAL OINTMENT 30GM
00836839	NUPERCAINAL SUPPOSITORY 12'S
00835839	NUPERCAINAL SUPPOSITORY 24'S
00080156	WYANOID OINTMENT 30GM
00080015	WYANOID SUPPOSITORY 12'S

SECTION 141.4320

SKIN/MUCOUS MEMBRANE: ASTRINGENTS
EMERGENCY

Item Number	Drug Name and Strength
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SECTION 141.4360

SKIN/MUCOUS MEMBRANE: DERMAL ULCERS
EMERGENCY

Item Number	Drug Name and Strength
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G** 00030375 ACTIDERM DERMATOLOGICAL PATCH
G** 05580076 ALLEVYN POLYURETHANE FOAM DRESSING 4" X 4"

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SECTION 141.4360 SKIN/MUCOUS MEMBRANE: DERMAL ULCERS
EMERGENCY (Cont'd)

Item Number	Drug Name and Strength
G** 05581076	ALLEVYN POLYURETHANE FOAM DRESSING 8" X 8"
G** 05140062	ASEPTIN SKIN CREAM 85GM
** 50003531	BALSAM PERU; CASTOR OIL; TRYPSIN 72.5MG; 650MG; 0.1MG/0.82ML AEROSOL 60GM
** 50003533	BALSAM PERU; CASTOR OIL; TRYPSIN 72.5MG; 650MG; 0.1MG/0.82ML AEROSOL 120GM
G** 08117404	BARD ABSORPTION DRESSING
G** 08117401	EASY PACK GEL 28.3GM PACKET BARD ABSORPTION DRESSING UNIT DOSE STERILE PACKETS
G** 08117402	BARD ABSORPTION DRESSING 3GM PACKET
G** 08117403	BARD ABSORPTION DRESSING 6GM PACKET
G** 08117400	BARD ABSORPTION DRESSING 60GM
G** 08130024	BIOCLUSIVE DRESSING 2" X 3"
G** 08131024	BIOCLUSIVE DRESSING 4" X 5"
G** 08132024	BIOCLUSIVE DRESSING 4" X 10"
G** 08133024	BIOCLUSIVE DRESSING 5" X 7"
G** 08134024	BIOCLUSIVE DRESSING 8" X 10"
G** 05140502	BIOLEX WOUND CLEANSER 180ML
G** 05141502	BIOLEX WOUND CLEANSER 355ML
G** 05140552	BIOLEX WOUND GEL 85ML
G** 08884001	BLISTERFILM TRANSPARENT DRESSING 2" X 3"
G** 08884019	BLISTERFILM TRANSPARENT DRESSING 3-1/2" X 4"
G** 08884027	BLISTERFILM TRANSPARENT DRESSING 5-1/2" X 6"
G** 10102060	CARA-KLENZ SPRAY 180ML
G** 10102160	CARA-KLENZ SPRAY 480ML
G** 10101005	CARRINGTON DERMAL WOUND GEL 15ML
G** 10101030	CARRINGTON DERMAL WOUND GEL 90ML
** 50000160	COLLAGENASE OINTMENT 250U/GM 15GM
** 50000161	COLLAGENASE OINTMENT 250U/GM 30GM
** 00160024	DEBRISAN 60GM
** 00161024	DEBRISAN 120GM
** 00162024	DEBRISAN 4GM PACKETS 7'S
** 00163024	DEBRISAN 4GM PACKETS 14'S
** 12815501	DECUBITEX OINTMENT 15GM
** 12816501	DECUBITEX OINTMENT 60GM
** 12814501	DECUBITEX OINTMENT 120GM
** 12814410	DECUBITEX POWDER 10GM
** 12814420	DECUBITEX POWDER 30GM
** 12814430	DECUBITEX POWDER 1GM 30'S
** 12814440	DECUBITEX POWDER 1GM 100'S
G** 02530126	DERMAGRAN OINTMENT 120GM
G** 02531126	DERMAGRAN OINTMENT 480GM

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SECTION 141.4360
EMERGENCY SKIN/MUCOUS MEMBRANE: DERMAL ULCERS
(Cont'd)

Item Number	Drug Name and Strength
G** 02530127	DERMAGRAN SPRAY 120ML
G** 02531127	DERMAGRAN SPRAY 240ML
G** 02532127	DERMAGRAN SPRAY 3840ML
G** 00039879	DUODERM CGF EXTRA THIN DRESSING 4" X 4"
G** 00038879	DUODERM CGF EXTRA THIN DRESSING 6" X 6"
G** 00032876	DUODERM CGF STERILE DRESSING 4" X 4"
G** 00033876	DUODERM CGF STERILE DRESSING 6" X 6"
G** 00034876	DUODERM CGF STERILE DRESSING 8" X 8"
G** 00031879	DUODERM STERILE HYDROACTIVE PASTE 30GM
G** 00031876	DUODERM STERILE HYDROACTIVE DRESSING 4X4
G** 00031888	DUODERM STERILE HYDROACTIVE DRESSING 6X8
G** 00031986	DUODERM STERILE HYDROACTIVE DRESSING 8X8
G** 00031988	DUODERM STERILE HYDROACTIVE DRESSING 8X12
G** 00031877	DUODERM STERILE HYDROACTIVE GRANULES 4GM
** 00711255	ELASE FOR SOLUTION
** 00712221	ELASE OINTMENT 10GM SIZE
** 00711121	ELASE OINTMENT 30GM SIZE
** 00712124	ELASE/CHLOROMYCETIN OINTMENT 10GM SIZE
** 00711124	ELASE/CHLOROMYCETIN OINTMENT 30GM SIZE
G** 00885000	ENVISAN TREATMENT MULTIPACK
G** 00885001	ENVISAN TREATMENT PAD PACK
G** 08231619	EPI-LOCK PRIMARY DRESSING 4" X 36"
G** 08231620	EPI-LOCK PRIMARY DRESSING 4" X 4"
G** 08231621	EPI-LOCK PRIMARY DRESSING 4" X 8"
G** 08231622	EPI-LOCK PRIMARY DRESSING 6" X 8"
G** 08231623	EPI-LOCK PRIMARY DRESSING 8" X 12"
G** 08231618	EPI-LOCK PRIMARY DRESSING 22" X 36"
G** 08190203	FERRIS POLYMEX DOT DRESSING 2"
G** 08190503	FERRIS POLYMEX ROLL DRESSING 4" X 24"
G** 08190405	FERRIS POLYMEX STERILE DRESSING 4" X 5"
G** 08190606	FERRIS POLYMEX STERILE DRESSING 6" X 6"
G** 05580073	INTRASITE GEL INTERACTIVE HYDROGEL 25GM
G** 05580074	INTRASITE INTERACTIVE HYDROCOLLOID WOUND DRESSING 4" X 4"
G** 05582074	INTRASITE INTERACTIVE HYDROCOLLOID WOUND DRESSING 8" X 8"
G** 05551682	KALTOSTAT WOUND DRESSING 5.0CM X 5.0CM
G** 05552682	KALTOSTAT WOUND DRESSING 7.5CM X 12.0CM
G** 05553682	KALTOSTAT WOUND DRESSING 10.0CM X 20.0CM
G** 05554682	KALTOSTAT WOUND DRESSING 15.0CM X 25.0CM
G** 05551681	KALTOSTAT WOUND PACKING 2.0GM
G** 05465107	MESALT WOUND DRESSING 3/4" X 39"
G** 05465115	MESALT WOUND DRESSING 1-1/2" X 39"
G** 05465100	MESALT WOUND DRESSING 3" X 3"

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SECTION 141.4360
EMERGENCY SKIN/MUCOUS MEMBRANE: DERMAL ULCERS
(Cont'd)

Item Number	Drug Name and Strength
G** 05465140	MESALT WOUND DRESSING 4" X 4"
G** 05551685	MITRAFLX WOUND DRESSING 4" X 4"
G** 05552685	MITRAFLX WOUND DRESSING 8" X 8"
G** 05580045	OPSITE TRANSPARENT WOUND DRESSING 2" X 3" (5CM X 7.5CM)
G** 05580042	OPSITE TRANSPARENT WOUND DRESSING 2" X 4" (5CM X 10CM)
G** 05580649	OPSITE TRANSPARENT WOUND DRESSING 5-1/2" X 4" (14CM X 10CM) 10/BOX
G** 05581694	OPSITE TRANSPARENT WOUND DRESSING 5-1/2" X 4" (14CM X 10CM) 50/BOX
G** 05582649	OPSITE TRANSPARENT WOUND DRESSING 5-1/2" X 4" (14CM X 50-3/4CM)
G** 05583649	OPSITE TRANSPARENT WOUND DRESSING 8" X 6" (20-1/3CM X 15CM)
G** 05586649	OPSITE TRANSPARENT WOUND DRESSING 10-1/4" X 8" (26CM X 20-1/3CM)
G** 05584649	OPSITE TRANSPARENT WOUND DRESSING 11" X 4" (28CM X 10CM)
G** 05585649	OPSITE TRANSPARENT WOUND DRESSING 11" X 6" (28CM X 15CM)
G** 05587649	OPSITE TRANSPARENT WOUND DRESSING 11" X 8" (28CM X 30CM)
G** 05588649	OPSITE TRANSPARENT WOUND DRESSING 11" X 17-3/4" (28CM X 45CM)
G** 08231251	OPTIPORE SPONGE
G** 08231212	SHUR-CLENS 100ML
G** 05140004	SORBSAN WOUND DRESSING 2" X 2"
G** 05142092	SORBSAN WOUND DRESSING 3" X 3"
G** 05140092	SORBSAN WOUND DRESSING 4" X 4"
G** 05140032	SORBSAN WOUND DRESSING 4" X 8"
G** 05140093	SORBSAN WOUND PACKING 2GM (12" OR 30CM)
G** 08231625	SYNTHADERM DRESSING 4" X 4"
G** 08231626	SYNTHADERM DRESSING 4" X 8"
G** 08231627	SYNTHADERM DRESSING 6" X 8"
G** 02121620	TEGADERM TRANSPARENT DRESSING #1620 FIRST AID STYLE 2-3/8" X 2-3/4"
G** 02121621	TEGADERM TRANSPARENT DRESSING #1621 FIRST AID STYLE 4" X 5-1/2"
G** 02121622	TEGADERM TRANSPARENT DRESSING #1622 FRAME STYLE 1-3/4" X 1-3/4"
G** 02121625	TEGADERM TRANSPARENT DRESSING #1625 FRAME STYLE 2-3/8" X 2-3/4"

SECTION 141.4360
EMERGENCY

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SKIN/MUCOUS MEMBRANE: DERMAL ULCERS

SKIN/MUCOUS MEMBRANE: FUNGICIDES

(Cont'd)

Item Number	Drug Name and Strength	Item Number	Drug Name and Strength
G** 02121627	TEGADERM TRANSPARENT DRESSING #1627 FRAME STYLE 4" X 10"	** 00850849	AKRINOL CREAM
G** 02121628	TEGADERM TRANSPARENT DRESSING #1628 FRAME STYLE 6" X 8"	** 50001653	CICLOPROX OLAMINE CREAM 1% 15GM
G** 02121629	TEGADERM TRANSPARENT DRESSING #1629 FRAME STYLE 8" X 12"	** 50001654	CICLOPROX OLAMINE CREAM 1% 30GM
G** 02121636	TEGADERM TRANSPARENT DRESSING #1636 FRAME POUCH STYLE 4" X 4-3/4"	** 50001651	CICLOPROX OLAMINE LOTION 1% 30ML
G** 02121638	TEGADERM TRANSPARENT DRESSING #1638 POUCH STYLE 6" X 8"	** 50000142	CLOTRIMAZOLE CREAM 1.0% 15GM
G** 02121639	TEGADERM TRANSPARENT DRESSING #1639 POUCH STYLE 8" X 12"	** 50000143	CLOTRIMAZOLE CREAM 1.0% 30GM
G** 02129505	TEGADERM TRANSPARENT DRESSING #9505 FRAME STYLE 2-3/8" X 2-3/4"	** 50000144	CLOTRIMAZOLE CREAM 1.0% 45GM
G** 02129506	TEGADERM TRANSPARENT DRESSING #9506 FRAME STYLE 4" X 4-3/4"	** 50000145	CLOTRIMAZOLE CREAM 1.0% 90GM
G** 02120901	TEGASORB FLEXIBLE HYDROACTIVE DRESSING SMALL OVAL STERILE 4" X 4-3/4"	** 50004821	CLOTRIMAZOLE LOTION 1.0% 30ML
G** 02120902	TEGASORB FLEXIBLE HYDROACTIVE DRESSING SMALL SQUARE STERILE 4" X 4"	** 50000146	CLOTRIMAZOLE SOLUTION 1.0% 10ML
G** 02120903	TEGASORB FLEXIBLE HYDROACTIVE DRESSING MEDIUM OVAL STERILE 5" X 6"	** 50000147	CLOTRIMAZOLE SOLUTION 1.0% 30ML
G** 02120904	TEGASORB FLEXIBLE HYDROACTIVE DRESSING LARGE OVAL STERILE 6-1/2" X 7-7/8"	** 50001655	ECONAZOLE NITRATE CREAM 1% 15GM
G** 02120905	TEGASORB FLEXIBLE HYDROACTIVE DRESSING LARGE SQUARE STERILE 6" X 6"	** 50001656	ECONAZOLE NITRATE CREAM 1% 30GM
** 00481500	TRAVASE OINTMENT 14.2GM TUBE	** 50001657	ECONAZOLE NITRATE CREAM 1% 85GM
G** 08885400	ULTEC HYDROCOLLOID DRESSING 4" X 4"	** 00030411	FUNGIZONE CREAM 3%
G** 08885800	ULTEC HYDROCOLLOID DRESSING 6" X 8"	** 00030412	FUNGIZONE LOTION 3%
G** 08882400	VIASORB WOUND DRESSING 3" X 8"	** 00030426	FUNGIZONE OINTMENT 3%
G** 08882104	VIASORB WOUND DRESSING 3" X 10"	** 08842448	FUNGOID CREAM 30GM
G** 08882401	VIASORB WOUND DRESSING 4" X 6"	** 08843149	FUNGOID SOLUTION 15ML
G** 08882005	VIASORB WOUND DRESSING 6" X 10"	** 08840248	FUNGOID TINCTURE 30ML
G** 08882500	VIASORB WOUND DRESSING 7" X 7"	** 08841248	FUNGOID TINCTURE 480ML
G** 08117410	VIGILON WOUND DRESSING 3" X 6" STERILE	** 00721590	HALOTEX CREAM 15GM
G** 08117412	VIGILON WOUND DRESSING 3" X 8" STERILE	** 00720590	HALOTEX CREAM 30GM
G** 08117416	VIGILON WOUND DRESSING 4" X 4" NON-ST	** 00721591	HALOTEX SOLUTION 10ML
G** 08117411	VIGILON WOUND DRESSING 4" X 4" STERILE	** 00720591	HALOTEX SOLUTION 30ML
G** 08117413	VIGILON WOUND DRESSING 6" X 8" STERILE	** 50006410	IODOCHLORHYDROXYQUIN CREAM 3% 30GM
G** 08117414	VIGILON WOUND DRESSING 13" X 24" NON-ST	** 50006412	IODOCHLORHYDROXYQUIN OINTMENT 3% 30GM

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SECTION 141.4440 SKIN/MUCOUS MEMBRANE: FUNGICIDES (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
** 50002624	OXICONAZOLE NITRATE CREAM 1% 15GM
** 50002626	OXICONAZOLE NITRATE CREAM 1% 30GM
** 60008025	SKIN/MUCOUS MEMBRANE ANTIFUNGAL-NOT OTHERWISE LISTED IF LAW REQUIRES RX
** 50001800	SULCONAZOLE NITRATE CREAM 1% 15GM
** 50001802	SULCONAZOLE NITRATE CREAM 1% 30GM
** 50001804	SULCONAZOLE NITRATE CREAM 1% 60GM
** 50001806	SULCONAZOLE NITRATE SOLUTION 1% 30ML
** 00770792	TINVER LOTION 180ML

SECTION 141.4480 SKIN/MUCOUS MEMBRANE: KERATOCYTIC
EMERGENCY

Item Number	Drug Name and Strength
01456788	DUOFILM LIQUID

SECTION 141.4520 SKIN/MUCOUS MEMBRANE: LOCAL ANTI-INFECTIVES
EMERGENCY

Item Number	Drug Name and Strength
*** 50008106	ALCOHOL-ISOPROPYL 91% 480ML
** 50002760	BENZOYL PEROXIDE GEL, WATER BASE 5.0% 57GM
** 50002762	BENZOYL PEROXIDE GEL, WATER BASE 5.0% 114GM
** 50002764	BENZOYL PEROXIDE GEL, WATER BASE 10.0% 57GM
** 50002766	BENZOYL PEROXIDE GEL, WATER BASE 10.0% 114GM
*	CHLORHEXIDINE GLUCONATE SOLN 4% 480ML
** 50001265	HEXACHLOROPHENE EMULSION 3% 150ML
** 50001267	HEXACHLOROPHENE EMULSION 3% 480ML
01370575	RETIN-A GEL 0.01% 15GM
01371575	RETIN-A GEL 0.01% 45GM
01370475	RETIN-A GEL 0.025% 15GM
01371475	RETIN-A GEL 0.025% 45GM
** 50000990	SILVER SULFADIAZINE CREAM 1.0% 20GM
** 50000992	SILVER SULFADIAZINE CREAM 1.0% 50GM
** 50000993	SILVER SULFADIAZINE CREAM 1.0% 85GM
** 50000994	SILVER SULFADIAZINE CREAM 1.0% 400GM

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NOTICE OF EMERGENCY REPEALER

SECTION 141.4560 SKIN/MUCOUS MEMBRANE: MISCELLANEOUS
EMERGENCY

Item Number	Drug Name and Strength
** 50003991	ACYCLOVIR OINTMENT 5% 3GM
** 50003993	ACYCLOVIR OINTMENT 5% 15GM
** 50008362	CALAMINE LOTION 120ML
** 60009988	COMP PREP INCLUDING ANY CRUDE COAL TAR, LCD, SULFUR, SALICYLIC OR LACTIC ACID
** 00262422	DOMEBORO POWDER PACKET 2.2GM
** 00262411	DOMEBORO TABLET
01630518	ELDOPAQUE OINTMENT 15GM
50002392	POVIDONE-IODINE OINTMENT 10% 30GM
50002390	POVIDONE-IODINE SOLUTION 10%
50002394	POVIDONE-IODINE SURGICAL SCRUB 10%
** 00660062	ZETAR EMULSION 30% 180ML
00660063	ZETAR SHAMPOO 180ML

SECTION 141.4600 SKIN/MUCOUS MEMBRANE:
EMERGENCY SCABICIDES/PEDICULOCIDES

Item Number	Drug Name and Strength
07660518	A 200 PYRINATE GEL 30GM
00220002	A 200 PYRINATE LIQUID 60ML
07660002	A 200 PYRINATE LIQUID 120ML
50000171	CROTAMITON CREAM 10.0% 60GM
50000172	CROTAMITON LOTION 10.0% 60ML
** 00237915	ELIMITE CREAM 5% 60GM
** 50000690	LINDANE CREAM 1%
** 50000692	LINDANE LOTION 1%
** 50000694	LINDANE SHAMPOO 1% 60ML
** 00810780	NIX CREME RINSE 1% 60ML
00342365	PRIODERM LOTION 0.5%
** 09959987	RID LIQUID

SECTION 141.4640 TESTING SUPPLIES
EMERGENCY

Item Number	Drug Name and Strength
*** 01932381	ACETEST REAGENT TABLETS 100'S
*** 01932383	ACETEST REAGENT TABLETS 250'S
*** 01932870	ALBUSTIX STRIPS 100'S
*** 01932232	BUMINTEST TABLETS 100'S

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NOTICE OF EMERGENCY REPEALERSECTION 141.4640 TESTING SUPPLIES (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
*** 09245028	CHEMSTRIP 5 100'S
*** 09245010	CHEMSTRIP BG STRIPS 25'S
*** 09245012	CHEMSTRIP BG STRIPS 50'S
*** 09245030	CHEMSTRIP GP 100'S
*** 09245035	CHEMSTRIP K PAPERS 100'S
*** 09245011	CHEMSTRIP TEST KIT
*** 09245040	CHEMSTRIP UG STRIPS 100'S
*** 09245045	CHEMSTRIP UGK STRIPS 100'S
*** 01932844	CLINISTIX STRIP 50'S
*** 01932105	CLINITEST ANALYSIS SET
*** 01932114	CLINITEST ANALYSIS SET (2 DROP)
*** 09132112	CLINITEST (2 DROP) 36'S
*** 09132113	CLINITEST (2 DROP) 100'S
*** 01932100	CLINITEST TABLET 36'S
*** 01932121	CLINITEST TABLETS 100'S
*** 01933100	CLINITEST TABLET FOIL 100'S
*** 01932867	COMBISTIX 100'S
*** 01932888	DEXTROSTIX REAGENT STRIPS 25'S
*** 01932886	DEXTROSTIX REAGENT STRIPS 100'S
*** 01932884	DEXTROSTIX REAGENT STRIPS FOIL 10'S
*** 02120505	DIASCAN DUAL PAD STRIPS 50'S
*** 01933802	DIASTIX STRIPS 50'S
*** 01932802	DIASTIX STRIPS 100'S
*** 01931000	DIASTIX-5 STRIPS 100'S
*** 03388597	EXACTECH TEST STRIPS 50'S
50000513	FLUORESCIN SODIUM OPHT SOLN 2.0% 15CC
*** 01932582	GLUCOFILM TEST STRIPS 50'S
*** 01932583	GLUCOFILM TEST STRIPS 100'S
*** 05380031	GLUCOSCAN TEST STRIPS 50'S
*** 05380073	GLUCOSCAN TEST STRIPS 100'S
*** 01932627	GLUCOSTIX STRIPS 50'S
*** 01932628	GLUCOSTIX STRIPS 100'S
*** 01932876	HEMA-COMBISTIX 100'S
*** 01932816	HEMASTIX STRIPS 50'S
*** 01932426	HEMASTIX TABLET 100'S
50003457	HISTAMINE PHOSPHATE INJECTION 0.275MG/ML
50003458	HISTAMINE PHOSPHATE INJECTION 2.75MG/1ML
50003459	HISTAMINE PHOSPHATE INJECTION 2.75MG/5ML
*** 01933882	KETO-DIASTIX 50'S
*** 01932882	KETO-DIASTIX 100'S
*** 01931010	KETO-DIASTIX 5 100'S
*** 01933880	KETOSTIX STRIPS 50'S
*** 01932880	KETOSTIX STRIPS 100'S

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NOTICE OF EMERGENCY REPEALERSECTION 141.4640 TESTING SUPPLIES (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
*** 01932810	LABSTIX 100'S
*** 50008000	LANCET FOR DIABETIC USE, STERILE
*** 01932854	N-URISTIX 100'S
*** 05380232	ONE TOUCH TEST STRIPS 50'S
*** 00022344	TES-TAPE 100 TEST PACKAGE
*** 09240535	TRACER BG STRIPS 50'S
*** 05499300	TRENDSTRIPS 50'S
*** 01932855	URISTIX 100'S
*** 01931050	VISIDEX II REAGENT STRIPS 25'S
*** 01931080	VISIDEX II REAGENT STRIPS 100'S

SECTION 141.4680 UNCLASSIFIED
EMERGENCY

Item Number	Drug Name and Strength
60009999	COMPOUNDED PRESCRIPTION (MUST BE COMPOUNDED FROM ITEMS INCLUDED IN PROGRAM)
50002747	PENICILLAMINE TAB/CAP 125MG
50002748	PENICILLAMINE TAB/CAP 250MG
** 60009707	PRIOR APPROVAL - BASIC HEALTH COVERAGE
** 60009989	PRIOR APPROVAL - COMPOUNDED ITEM
** 60009898	PRIOR APPROVAL - DCFS CLIENT
** 60009700	PRIOR APPROVAL - EXCESSIVE QUANTITY
** 60009998	PRIOR APPROVAL - HYPERALIMENTATION
** 60009997	PRIOR APPROVAL - NON COVERED ITEM
** 50005601	SODIUM CHLORIDE INJ 50MEQ/20ML VIAL
** 50005602	SODIUM CHLORIDE INJ 100MEQ/40ML VIAL
50005604	SODIUM LACTATE INJECTION 50MEQ/20ML

SECTION 141.4720 URINARY ANTISPASMODICS
EMERGENCY

Item Number	Drug Name and Strength
50002450	BETHANECHOL CL INJ 5MG/ML 1ML AMP
50002442	BETHANECHOL CL TABLET 5MG
50002444	BETHANECHOL CL TABLET 10MG
50002446	BETHANECHOL CL TABLET 25MG
50002448	BETHANECHOL CL TABLET 50MG
50003315	OXYBUTYRIN CL SYRUP 5MG/5ML
50003317	OXYBUTYRIN CL TABLET 5MG

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SECTION 141.4760 VAGINAL: ANTI-INFECTIVES
EMERGENCY

Item Number	Drug Name and Strength
** 50002497	BUTOCONAZOLE NITRATE VAGINAL CREAM 2.0% 15GM
** 50002483	BUTOCONAZOLE NITRATE VAGINAL CREAM 2.0% 28GM
** 50000148	CLOTRIMAZOLE VAGINAL CREAM 1.0% 45GM
** 50000149	CLOTRIMAZOLE VAGINAL CREAM 1.0% 90GM
** 50000150	CLOTRIMAZOLE VAGINAL TABLET 100MG
** 50002485	CLOTRIMAZOLE VAGINAL TABLET 500MG
** 00730916	GENAPAX TAMPON 12'S
** 00271082	HYVA GENTIAN VIOLET VAGINAL TAB 14'S
** 00270082	HYVA GENTIAN VIOLET VAGINAL TAB 28'S
Z 00625431	MONISTAT 7 CREAM WITH APPLICATOR 45GM
** 00625432	MONISTAT 7 VAGINAL SUPPOSITORY
** 00625429	MONISTAT DUAL PACK
** 00263098	MYCELEX TWIN PACK
** 50003992	NYSTATIN VAGINAL TABLET 100,000U 15'S
** 50003994	NYSTATIN VAGINAL TABLET 100,000U 30'S
** 50003996	NYSTATIN VAGINAL/ORAL TABLETS 14/21
** 50003219	OXYTETRACYCLINE HCL 100MG; POLYMYXIN B SULFATE 100,000U VAGINAL TABLET
** 50001632	SULFACETAMIDE 143.75MG; SULFABENZAMIDE 184MG; SULFATHIAZOLE 172.5MG VAG TAB
** 50001631	SULFACETAMIDE 2.86%; SULFABENZAMIDE 3.7% SULFATHIAZOLE 3.42% VAGINAL CREAM
** 50002481	SULFANILAMIDE VAGINAL CREAM 15% 120GM
** 50002471	SULFANILAMIDE VAGINAL SUPPOSITORY 1.05GM
** 50002641	TERCONAZOLE VAGINAL CREAM 0.4% 45GM
** 50002643	TERCONAZOLE VAGINAL SUPPOSITORY 80MG
** 50006501	TIOCONAZOLE VAGINAL OINTMENT 6.5% 4.6GM SINGLE DOSE APPLICATOR
** 03966010	TRIMO-SAN REFILL TUBE ONLY 120GM
** 03965010	TRIMO-SAN WITH APPLICATOR 120GM
** 60008023	VAGINAL ANTI-INFECTIVES-NOT OTHERWISE LISTED-IF LAW REQUIRES RX
** 00680427	VANOBIID VAGINAL OINTMENT C APP
** 00680425	VANOBIID VAGINAL TABLET C APP 28'S

SECTION 141.4800 VAGINAL: MISCELLANEOUS

EMERGENCY

Item Number	Drug Name and Strength
00625420	ACI-JEL C APPLICATOR 85GM
00625450	DIENESTROL VAGINAL CREAM WITH APP 78GM

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NOTICE OF EMERGENCY REPEALER

SECTION 141.4800 VAGINAL: MISCELLANEOUS (Cont'd)
EMERGENCY

Item Number	Drug Name and Strength
00626450	DIENESTROL VAGINAL CREAM-TUBE ONLY 78GM
** 00870754	ESTRACE VAGINAL CREAM W/APP 42.5GM
** 00742467	OGEN VAGINAL CREAM WITH APPLICATOR 45GM
00460874	PREMARIN VAGINAL CREAM C APP 45GM
00461874	PREMARIN VAGINAL CREAM REFILL 45GM

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY AMENDMENTS

1) The Heading of the Part: MEDICAL PAYMENT2) Code Citation: 89 Ill. Adm. Code 1403) Section Numbers: Emergency Action:

140.440 Amendment
 140.441 Amendment
 140.442 Amendment
 140.449 Amendment

4) Statutory Authority: Sections 5-5.1 et seq. and 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1989, Ch. 23, Pars. 5-5.1 et seq. and 12-13)5) Effective Date of Emergency Amendments: August 15, 19916) If these Emergency Amendments are to expire before the end of the 150-day period, please specify the date on which it is to expire: Not applicable7) Date Filed in Agency's Principal Office: August 15, 19918) Reason for Emergency: The Department has determined that the health and safety of persons affected by this rulemaking would be adversely impacted absent its immediate implementation.9) A Complete Description of the Subjects and Issues Involved: Effective January 1, 1991, Section 4401 of the Omnibus Budget Reconciliation Act of 1990 limits coverage of drugs to those products manufactured by manufacturers having rebate agreements with the Department of Health and Human Services. This rulemaking incorporates those requirements.10) Are there any proposed amendments pending to this Part? YesSection Numbers Proposed Action Illinois Register Citation

140.11 Amendment May 10, 1991
 (15 Ill. Reg. 6949)

140.71 Amendment December 21, 1990
 (14 Ill. Reg. 20170)

140.460 Amendment April 5, 1991
 (15 Ill. Reg. 4903)

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Section Numbers Proposed Action Illinois Register Citation

140.461 Amendment April 5, 1991
 (15 Ill. Reg. 4903)

140.462 Amendment April 5, 1991
 (15 Ill. Reg. 4903)

140.463 Amendment April 5, 1991
 (15 Ill. Reg. 4903)

140.465 Repealed April 5, 1991
 (15 Ill. Reg. 4903)

140.514 Amendment August 16, 1991
 (15 Ill. Reg. 11355)

140.518 Amendment July 5, 1991
 (15 Ill. Reg. 9885)

140.560 Amendment April 4, 1991
 (15 Ill. Reg. 5585)

140.561 Amendment May 7, 1991
 (15 Ill. Reg. 7482)

140.569 Amendment June 14, 1991
 (15 Ill. Reg. 6949)

140.646 Amendment May 10, 1991
 (15 Ill. Reg. 6949)

140.980 New Section August 9, 1991
 (15 Ill. Reg. 11515)

140.982 New Section August 9, 1991
 (15 Ill. Reg. 11515)

11) Statement of Statewide Policy Objectives: This rulemaking has no effect on local governmental units.12) Information and questions regarding these Emergency Amendments shall be directed to:

Name:

Daniel Leikvold, Staff Attorney
Office of the General Counsel

DEPARTMENT OF PUBLIC AID

NOTICE OF EMERGENCY AMENDMENTS

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The full text of the Emergency Amendments begins on the next page:

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TITLE 89: SOCIAL SERVICES
CHAPTER I: DEPARTMENT OF PUBLIC AID
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AUTHORITY: Implementing Article III of the Illinois Health
Finance Reform Act (Ill. Rev. Stat. 1989, ch. 111 1/2, par.
6503-1 et seq.) and implementing and authorized by Articles
III, IV, V, VI, VII and Section 12-13 of the Illinois Public
Aid Code (Ill. Rev. Stat. 1989, ch. 23, pars. 3-1 et seq., 4-1
et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13)

SOURCE: Adopted at 3 Ill. Reg. 24, p. 166, effective June 10,
1979; rule repealed and new rule adopted at 6 Ill. Reg. 8374,
effective July 6, 1982; emergency amendment at 6 Ill. Reg.
8508, effective July 6, 1982, for a maximum of 150 days;
amended at 7 Ill. Reg. 681, effective December 30, 1982;
amended at 7 Ill. Reg. 7956, effective July 1, 1983; amended at
7 Ill. Reg. 8308, effective July 1, 1983; amended at 7 Ill.
Reg. 8271, effective July 5, 1983; emergency amendment at 7
Ill. Reg. 8354, effective July 5, 1983, for a maximum of 150
days; amended at 7 Ill. Reg. 8540, effective July 15, 1983;
amended at 7 Ill. Reg. 9382, effective July 22, 1983;
at 7 Ill. Reg. 12868, effective September 20, 1983; peremptory
amendment at 7 Ill. Reg. 15047, effective October 31, 1983;
amended at 7 Ill. Reg. 17358, effective December 21, 1983;
amended at 8 Ill. Reg. 254, effective December 21, 1983;

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emergency amendment at 8 Ill. Reg. 580, effective January 1, 1984, for a maximum of 150 days; recodified at 8 Ill. Reg. 2493; amended at 8 Ill. Reg. 3012, effective February 22, 1984; amended at 8 Ill. Reg. 5262, effective April 9, 1984; amended at 8 Ill. Reg. 6785, effective April 27, 1984; amended at 8 Ill. Reg. 6983, effective May 9, 1984; amended at 8 Ill. Reg. 7258, effective May 16, 1984; emergency amendment at 8 Ill. Reg. 7910, effective May 22, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 7910, effective June 1, 1984; amended at 8 Ill. Reg. 10032, effective June 18, 1984; emergency amendment at 8 Ill. Reg. 10062, effective June 20, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 13343, effective July 17, 1984; amended at 8 Ill. Reg. 13779, effective July 24, 1984; Sections 140.72 and 140.73 recodified to 89 Ill. Adm. Code 141 at 8 Ill. Reg. 16354; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17899; peremptory amendment at 8 Ill. Reg. 18151, effective September 18, 1984; amended at 8 Ill. Reg. 21629, effective October 19, 1984; peremptory amendment at 8 Ill. Reg. 21677, effective October 24, 1984; amended at 8 Ill. Reg. 22097, effective October 24, 1984; peremptory amendment at 8 Ill. Reg. 23218, effective October 29, 1984; amended at 8 Ill. Reg. 23218, effective November 20, 1984; emergency amendment at 8 Ill. Reg. 23721, effective November 21, 1984, for a maximum of 150 days; amended at 8 Ill. Reg. 25067, effective December 19, 1984; emergency amendment at 9 Ill. Reg. 407, effective January 1, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 2697, effective February 22, 1985; amended at 9 Ill. Reg. 6235, effective April 19, 1985; amended at 9 Ill. Reg. 8677, effective May 28, 1985; amended at 9 Ill. Reg. 9564, effective June 5, 1985; amended at 9 Ill. Reg. 10025, effective June 26, 1985; emergency amendment at 9 Ill. Reg. 11403, effective June 27, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 11357, effective June 28, 1985; amended at 9 Ill. Reg. 12000, effective July 24, 1985; amended at 9 Ill. Reg. 12306, effective August 5, 1985; amended at 9 Ill. Reg. 13998, effective September 3, 1985; amended at 9 Ill. Reg. 14684, effective September 13, 1985; amended at 9 Ill. Reg. 15503, effective October 4, 1985; amended at 9 Ill. Reg. 16312, effective October 11, 1985; amended at 9 Ill. Reg. 19138, effective December 2, 1985; amended at 9 Ill. Reg. 19737, effective December 9, 1985; amended at 10 Ill. Reg. 238, effective December 27, 1985; emergency amendment at 10 Ill. Reg. 798, effective January 1, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 672, effective January 6, 1986; amended at 10 Ill. Reg. 1206, effective January 13, 1986; amended at 10 Ill. Reg. 3041, effective January 24, 1986; amended at 10 Ill. Reg. 6981, effective April 16, 1986; amended at 10 Ill. Reg. 7825, effective April 30, 1986; amended at 10 Ill. Reg. 8128,

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effective May 7, 1986; emergency amendment at 10 Ill. Reg. 8912, effective May 13, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 11440, effective June 20, 1986; amended at 10 Ill. Reg. 14714, effective August 27, 1986; amended at 10 Ill. Reg. 15211, effective September 12, 1986; emergency amendment at 10 Ill. Reg. 16729, effective September 18, 1986, for a maximum of 150 days; amended at 10 Ill. Reg. 18808, effective October 24, 1986; amended at 10 Ill. Reg. 21784, effective November 12, 1986; amended at 10 Ill. Reg. 21784, effective December 15, 1986; amended at 11 Ill. Reg. 698, effective December 19, 1986; amended at 11 Ill. Reg. 1418, effective December 31, 1986; amended at 11 Ill. Reg. 2323, effective January 16, 1987; amended at 11 Ill. Reg. 4002, effective February 25, 1987; Section 140.71 recodified to 89 Ill. Adm. Code 141 at 11 Ill. Reg. 4302; amended at 11 Ill. Reg. 4303, effective March 6, 1987; amended at 11 Ill. Reg. 7664, effective April 15, 1987; emergency amendment at 11 Ill. Reg. 9342, effective April 20, 1987, for a maximum of 150 days; amended at 11 Ill. Reg. 9169, effective April 28, 1987; amended at 11 Ill. Reg. 10903, effective June 1, 1987; amended at 11 Ill. Reg. 11528, effective June 22, 1987; amended at 11 Ill. Reg. 12011, effective June 30, 1987; amended at 11 Ill. Reg. 12290, effective July 6, 1987; amended at 11 Ill. Reg. 14048, effective August 14, 1987; amended at 11 Ill. Reg. 14771, effective August 25, 1987; amended at 11 Ill. Reg. 16758, effective September 28, 1987; amended at 11 Ill. Reg. 17295, effective September 30, 1987; amended at 11 Ill. Reg. 18696, effective October 27, 1987; amended at 11 Ill. Reg. 20909, effective December 14, 1987; amended at 12 Ill. Reg. 916, effective January 1, 1988; emergency amendment at 12 Ill. Reg. 1960, effective January 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 5427, effective March 15, 1988; amended at 12 Ill. Reg. 6246, effective March 16, 1988; amended at 12 Ill. Reg. 6728, effective March 22, 1988; Sections 140.900 thru 140.912 and 140.913 thru 140.914 Table I recodified to 89 Ill. Adm. Code 147.5 thru 147.205 and 147.206 Table B at 12 Ill. Reg. 6956; amended at 12 Ill. Reg. 6927, effective April 5, 1988; Sections 140.940 thru 140.972 recodified to 89 Ill. Adm. Code 149.5 thru 149.325 at 12 Ill. Reg. 7401; amended at 12 Ill. Reg. 7695, effective April 21, 1988; amended at 12 Ill. Reg. 10497, effective June 3, 1988; amended at 12 Ill. Reg. 10717, effective June 14, 1988; emergency amendment at 12 Ill. Reg. 11868, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12509, effective July 15, 1988; amended at 12 Ill. Reg. 14271, effective August 29, 1988; emergency amendment at 12 Ill. Reg. 16921, effective September 28, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 16738, effective October 5, 1988; amended at 12 Ill. Reg. 17879, effective October 24, 1988; amended at 12 Ill. Reg.

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18198, effective November 4, 1988; amended at 12 Ill. Reg. 19396, effective November 6, 1988; amended at 12 Ill. Reg. 19734, effective November 15, 1988; amended at 13 Ill. Reg. 125, effective January 1, 1989; amended at 13 Ill. Reg. 2475, effective February 14, 1989; amended at 13 Ill. Reg. 3069, effective February 28, 1989; amended at 13 Ill. Reg. 3351, effective March 6, 1989; amended at 13 Ill. Reg. 3917, effective March 17, 1989; amended at 13 Ill. Reg. 5115, effective April 3, 1989; amended at 13 Ill. Reg. 5718, effective April 10, 1989; Sections 140.850 thru 140.896 recodified to 89 Ill. Adm. Code 146.5 thru 146.225 at 13 Ill. Reg. 7040; amended at 13 Ill. Reg. 7025, effective April 13, 1989; amended at 13 Ill. Reg. 7786, effective May 20, 1989; Sections 140.94 thru 140.398 recodified to 89 Ill. Adm. Code 148.10 thru 148.390 at 13 Ill. Reg. 9572; emergency amendment at 13 Ill. Reg. 10977, effective July 1, 1989, for a maximum of 150 days; emergency expired November 28, 1989; amended at 13 Ill. Reg. 11516, effective July 3, 1989; amended at 13 Ill. Reg. 12119, effective July 7, 1989; Section 140.110 recodified to 89 Ill. Adm. Code 148.120 at 13 Ill. Reg. 12118; amended at 13 Ill. Reg. 12562, effective July 17, 1989; amended at 13 Ill. Reg. 14391, effective August 31, 1989; emergency amendment at 13 Ill. Reg. 15473, effective September 12, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 16992, effective October 16, 1989; amended at 14 Ill. Reg. 190, effective December 21, 1989; amended at 14 Ill. Reg. 2564, effective February emergency amendment at 14 Ill. Reg. 3241, effective February 14, 1990, for a maximum of 150 days; emergency expired July 14, 1990; amended at 14 Ill. Reg. 4543, effective March 12, 1990; emergency amendment at 14 Ill. Reg. 4577, effective March 6, 1990, for a maximum of 150 days; emergency expired August 3, 1990; emergency amendment at 14 Ill. Reg. 5575, effective April 1, 1990, for a maximum of 150 days; emergency expired August 29, 1990; emergency amendment at 14 Ill. Reg. 5865, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 7141, effective April 27, 1990; emergency amendment at 14 Ill. Reg. 7249, effective April 27, 1990, for a maximum of 150 days; amended at 14 Ill. 10062, effective June 12, 1990; amended at 14 Ill. Reg. 10409, effective June 19, 1990; emergency amendment at 14 Ill. Reg. 12082, effective July 5, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 13262, effective August 6, 1990; emergency amendment at 14 Ill. Reg. 14184, effective August 16, 1990, for a maximum of 150 days; emergency amendment at 14 Ill. Reg. 14570, effective August 22, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 14826, effective August 31, 1990; amended at 14 Ill. Reg. 15366, effective September 12, 1990; amended at 14 Ill. Reg. 15981, effective September 21, 1990; amended at 14 Ill. Reg. 17279, effective October 12, 1990; amended at 14 Ill. Reg. 18057,

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effective October 22, 1990; amended at 14 Ill. Reg. 18508, effective October 30, 1990; amended at 14 Ill. Reg. 18813, effective November 6, 1990; amended at 14 Ill. Reg. 20478, effective December 7, 1990; amended at 14 Ill. Reg. 20729, effective December 12, 1990; amended at 15 Ill. Reg. 298, effective December 28, 1990; emergency amendment at 15 Ill. Reg. 592, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 1051, effective January 18, 1991; Section 140.569 withdrawn at 15 Ill. Reg. 1174; amended at 15 Ill. Reg. 6534, effective April 30, 1991; amended at 15 Ill. Reg. 8264, effective May 23, 1991; amended at 15 Ill. Reg. 8972, effective June 17, 1991; amended at 15 Ill. Reg. 10114, effective June 21, 1991; amended at 15 Ill. Reg. 10468, effective July 1, 1991; amended at 15 Ill. Reg. 11176, effective August 1, 1991; emergency amendment at 15 Ill. Reg. 11515, effective July 25, 1991, for a maximum of 150 days; emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991 for a maximum of 150 days.

NOTE: CAPITALIZATION DENOTES STATUTORY LANGUAGE.

SUBPART D: PAYMENT FOR NON-INSTITUTIONAL SERVICES

Section 140.440 Pharmacy Services

EMERGENCY

- a) Payment shall be made only to pharmacies.
- b) The following conditions apply to pharmacy participation:
 - 1) The pharmacy must hold a current Drug Enforcement Administration (DEA) registration issued by the United States Drug Enforcement Administration (see 21 CFR 1301 et seq.), as well as a current controlled substances license issued by the Illinois Department of Professional Regulation (see Controlled Substances Act, Ill. Rev. Stat. 1987, ch. 56 1/2, par. 1301 et seq.) prior to enrolling with the Department.
 - 2) Licensed Pharmacy Requirements
 - A) A licensed pharmacy located in and/or administratively associated with a group practice or long-term facility must:

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.440

Pharmacy Services (Cont'd)

EMERGENCY

- i) provide the same scope of general pharmacy and professional services as a pharmacy not so affiliated; and

- ii) be retail in nature, open and accessible to the general public.

- B) The pharmacy shall not limit prescriptions filled to those written by practitioners connected with the group or facility for persons receiving care or services from the group or facility.

- 3) A hospital pharmacy which provides pharmaceutical services and supplies for inpatients, outpatient clinic patients and emergency room patients of the hospital may not enroll as a participating pharmacy. A second licensed pharmacy, established by a hospital separate and apart from the hospital pharmacy to serve the community as a retail pharmacy may participate as a retail pharmacy.

- c) The Department shall pay for the dispensing of pharmacy items, which are listed in the Department Drug Manual (Section 140.72) and subject to the provisions of subsection (d), which are prescribed by a physician, dentist or podiatrist within the scope of their professional practice. -- Copies of the Department's Drug Manual are available from the Department's Bureau of Medical Practitioners, 201 South Grand Avenue East, Springfield, Illinois. -- Requests for copies should be sent in writing to that address.

- d) Beginning with drugs dispensed on or after April 1, 1991, Department coverage shall be limited to those drug manufacturers having rebate agreements in effect as provided under Section 1927 of Title XIX of the Social Security Act (42 U.S.C. 1396s). Coverage of new drug products from manufacturers meeting these provisions shall be available for at least six months from the date of U.S. Food and Drug Administration approval without prior authorization when prescribed for persons eligible for assistance under Title XIX of the Social Security Act so long as the drug requires

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Section 140.440

Pharmacy Services (Cont'd)

EMERGENCY

unrestricted coverage under the Act. When reviewing requests for prior authorization, approval decisions shall be medically based.

- e) Upon U.S. Food and Drug Administration approval of a new drug, the manufacturer of the drug shall submit materials to the Department notifying it of the approval. Within fifteen days following the Department's receipt of notification, the Department shall provide the manufacturer with evidence documenting the Department's coverage of the new drug.

- f) The Department shall, on a quarterly basis, provide all interested parties with an updated list of products available without prior approval and an updated list of drug manufacturers having rebate agreements in effect. The Department shall maintain a mailing list of all interested parties who wish to receive a copy of these lists.

(Source: Emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days)

Section 140.441

Pharmacy Services Not Covered

EMERGENCY

Items excluded from coverage include the following:

- a) Drug manufacturers not meeting the rebate requirements of Section 140.440(d) Drugs not listed in the Drug Manual (unless the Department gives prior approval);
- b) Anorectic drugs or combinations including such drugs;
- c) Biologicals and drugs available without charge from the Illinois Department of Public Health or other agencies;
- d) Any vaccine, drug or serum which is provided primarily for preventive purposes; e.g., influenza vaccine;
- e) Drugs for injection in a practitioner's office unless the cost of the drug per injection (excluding administration) exceeds \$25.00;

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.441 Pharmacy Services Not Covered (Cont'd)
EMERGENCY

- f) Drugs that have been classified by the Food and Drug Administration (FDA) as ineffective or unsafe in a final order;
- g) Drugs that the Food and Drug Administration has proposed in a notice of opportunity for hearing to withdraw labeled indications [pursuant to Section 107(c)(3) of the Drug Amendments of 1962 (P.L. 87-781) and Section 505(e) of the Federal Food Drug and Cosmetic Act (21 USC 355 (e))] and any identical, related or similar drug products [determined by the FDA in accordance with 21 CFR 310.6];
- h) Items identified as Group Care Restricted Items in the Drug Manual (see Section 140.449(b)) are not covered when provided to recipients living in licensed long-term care facilities;
- i) Sickroom Needs and Medical Equipment Items are not covered as pharmacy items. A pharmacy which desires to provide such items must enroll as a provider of medical equipment; and
- j) Miscellaneous Supplies which are stocked and dispensed by some pharmacies are not covered. These items include, but are not limited to, dental products, hair products, facial tissues, infant disposable diapers, sanitary pads, tampons, soap or other personal hygiene products, proprietary food supplements or substitutes, sugar or salt substitutes, household products, or infant formula for routine feeding.

(Source: Emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days)

Section 140.442 Prior Approval of Prescriptions
EMERGENCY

- a) The Department may require prior approval for the prescription of any drug except as provided in Section 140.440(d). Determinations of whether prior approval for any drug is required shall be made in the following manner:

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.442 Prior Approval of Prescriptions (Cont'd)
EMERGENCY

- 1) The Department shall consult with individuals or organizations which possess appropriate expertise in the areas of pharmacology and medicine. In doing so, the Department shall consult with organizations composed of physicians, pharmacologists, or both, and shall, to the extent that it consults with organizations, limit its consultations to organizations which include within their membership physicians practicing in all of the representative geographic areas in which recipients reside and practicing in a majority of the areas of specialization for which the Department reimburses physicians for providing care to recipients.
- 2) The Department shall consult with a panel from such organization (the panel is selected by such organization) to review and make recommendations regarding prior approval. The panel shall meet not less than four times a year for the purpose of the review of drugs. The actions of the panel shall be non-binding upon the Department and can in no way bind or otherwise limit the Department's right to determine in its sole discretion those drugs which shall require prior approval.
- 3) Upon U.S. Food and Drug Administration approval of a new drug, the manufacturer shall submit materials to the Department which the Department and the consulting organization shall consider in determining whether prescription of the drug shall require prior approval after the automatic six month coverage without prior approval period (see Section 140.440(d) and (e)). Absent submission of such materials by the manufacturer, prior approval shall be automatically required at the conclusion of the automatic six month coverage without prior approval period.
- 4) New dosage strengths and new dosage forms of products currently included in the list of drugs available without prior approval (see Section 140.440(f)) shall be included in the list of drugs available without prior approval upon the

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.442 Prior Approval of Prescriptions (Cont'd)
EMERGENCY

request of the manufacturer, unless otherwise designated by the Director. In such a case, the Director shall submit the new dosage strength, or new form, to the prior approval procedures described in this section.

- 5) Upon receipt of the final agenda established for each meeting of the above described panel, the Department shall promptly review materials and literature supplied by drug manufacturers. Additional literature may be researched by the Department to assist them in their review of the products on the agenda. The Department shall make comments and shall within ten (10) working days of receipt of the agenda transmit such comments in writing to the panel. This shall be done for each meeting of the above described panel.

- 6) The consulting organization, shall transmit its recommendations to the Department in writing.

- 7) Upon receipt of this transmittal letter, the Department shall notify within fifteen (15) working days all interested parties, including pharmaceutical manufacturers of the products, of all recommendations of the consulting organization accepted or rejected by the Director. Recommendations for prior authorization of new drug products shall become effective after thirty days prior notice to providers and all interested parties, including manufacturers. The Department shall maintain a mailing list of all interested parties who wish to receive a copy of applicable notices.

- 8) Drug manufacturers shall be afforded an opportunity to request reconsideration of products recommended for prior approval. The Drug manufacturers may submit whatever information they deem appropriate to support their request for reconsideration of the drug product. All reconsideration requests must be submitted in writing to the Department and shall be considered at the next regularly scheduled

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Section 140.442 Prior Approval of Prescriptions (Cont'd)
EMERGENCY

meetings of the above described expert panel convened by the consulting organization.

- 9) The Department shall utilize the procedures described in subsections (1) through (7) to give EXPEDITED REVIEW OF ANY DRUG FOR THE TREATMENT OF ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) WHICH THE FEDERAL FOOD AND DRUG ADMINISTRATION HAS INDICATED IS SUBJECT TO A TREATMENT INVESTIGATIONAL NEW DRUG APPLICATION, and which is not available free of charge to recipients from the drug manufacturer or distributor.

a)b) The Department shall require prior approval for the prescription of any items not otherwise excluded by rule but listed in or in excess of the quantities listed in the Department Drug Manual (see Section 140.72). Approval will be given except as provided in subsection (c), prior approval shall be given for drugs requiring such authorization if:

- 1) The drug is a legend item (requires a prescription), and
- 2) The drug is used in accordance with predetermined standards consistent with the compendia consisting of the American Hospital Formulary Service Drug Information, the United States Pharmacopeia-Drug Information and the American Medical Association Drug Evaluations, as well as the peer-reviewed medical literature standards and indications approved by the Food and Drug Administration, and
- 3) The drug is necessary to prevent a higher level of care, such as institutionalization, or
- 4) Alternate therapies which are in the Drug Manual are not effective in treating the patient's condition. The prescriber has determined that the drug is medically necessary.

b)c) For recipients covered by the Basic Health Protection Plan, (MANG-AFDC-adults-GA or AMI), the Department shall require prior approval for the prescription of any item not included as "vital" in the Department's-

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.442 Prior Approval of Prescriptions (Cont'd)
EMERGENCY

drug manual. Approval will be given prior approval shall be given for drugs requiring such authorization if:

- 1) The drug is a legend item (requires a prescription), and
- 2) The drug is used in accordance with predetermined standards consistent with the compendia consisting of the American Hospital Formulary Service Drug Information, the United States Pharmacopoeia-Drug Information and the American Medical Association Drug Evaluations, as well as the peer-reviewed medical literature standards and indication approved by the Food and Drug Administration, and
- 3) The physician has documented that the requested item is necessary to prevent a life threatening situation and that items covered under the basic health protection plan are not effective to maintain the patient's life or to avoid the life threatening situation.

e)d) Decision on all requests for prior approval shall be made within 30 days of the date of the request (Sections 140.40 through 140.42) by telephone or other telecommunications device and, upon the Department's receipt of such request, shall be made by the same time of the Department's next working day. In an emergency situation, the Department shall provide for the dispensing of at least a 72-hour supply of a covered prescription drug.

(Source: Emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days)

Section 140.449 Payment of Pharmacy Items
EMERGENCY

- a) The Department shall pay no more for charges submitted than the maximum permitted by Federal regulations.
- b) Explanation of drug restrictions

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NOTICE OF EMERGENCY AMENDMENTS

Section 140.449 Payment of Pharmacy Items (Cont'd)
EMERGENCY

- 1) Group Care and Basic Health Restricted - The drug is available to all recipient categories except recipients with basic health coverage (i.e., recipients of general assistance, or Aid To The Medically Indigent) and individuals residing in a nursing home.

- 2) The nursing home must provide the following listed drugs to resident recipients at no charge to the recipient:

ACETAMINOPHEN DROPS 80MG/0.8ML
ACETAMINOPHEN DROPS 120MG/2.5ML
ACETAMINOPHEN ELIXIR/SYRUP 120MG/5ML
ACETAMINOPHEN TAB/CAP 325MG
ACETAMINOPHEN TAB/CAP 500MG
ACETAMINOPHEN TAB/CAP 650MG
ACETAMINOPHEN TABLET CHEWABLE 80MG
ACETAMINOPHEN TABLET CHEWABLE 120MG
ASPIRIN TAB BUFFERED 325MG
ASPIRIN TAB BUFFERED 600MG
ASPIRIN TAB EC 300MG
ASPIRIN TAB EC 600MG
ASPIRIN TAB PEDIATRIC
ASPIRIN TAB 300MG
ASPIRIN TAB 600MG
GLUCOLA LIQUID
MILK OF MAGNESIA LIQUID
MILK OF MAGNESIA TABLET
ZINC OXIDE OINTMENT

- c) No restrictions - The drug is available to all recipient categories including nursing home residents and recipients of basic health coverage.

- d) 1) Group care restricted - The drug is available to all recipients (including basic health recipients) except recipients residing in nursing homes.

- 2) The nursing home must provide the following listed items to resident recipients at no charge to the recipient:

ACETEST REAGENT TABLETS
ALBUSTIX STRIPS

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Section 140.449 Payment of Pharmacy Items (Cont'd)
EMERGENCY

CHEMSTRIP BG STRIPS
CHEMSTRIP GP
CHEMSTRIP K PAPERS
CHEMSTRIP TEST KIT
CHEMSTRIP UG STRIPS
CHEMSTRIP UGK STRIPS
CHEMSTRIP 5
CLINISTIX STRIP
CLINITEST (2 DROP)
CLINITEST ANALYSIS SET
CLINITEST ANALYSIS SET (2 DROP)
CLINITEST TABLET
CLINITEST TABLET FOIL
COMBISTIX
DEXTOSTIX REAGENT STRIPS
DEXTOSTIX REAGENT STRIPS FOIL
DIASCAN DUAL PAD STRIPS
DIASTIX STRIPS
EXACTECH TEST STRIPS
GLUCOFILM TEST STRIPS
GLUCOSCAN TEST STRIPS
GLUCOSTIX STRIPS
HEMA-COMBISTIX
HEMASTIX STRIPS
HEMASTIX TABLET
KETO-DIASTIX
KETO-DIASTIX 5
KETOSTIX STRIPS
LABSTIX
LANCET FOR DIABETIC USE, STERILE
N-URISTIX
ONE TOUCH TEST STRIPS
TES-TAPE
TRACER BG STRIPS
TRENDSTRIPS
URISTIX
VISIDEX II REAGENT STRIPS
ANY PRODUCT EQUIVALENT TO THOSE ON THE ABOVE
LIST OR ANY OTHER NONLISTED DIABETIC TESTING
SUPPLY

e) Group care limited - The drug is available only to recipients residing in nursing homes.

(Source: Emergency amendment at 15 Ill. Reg. 12919, effective August 15, 1991, for a maximum of 150 days)

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ILLINOIS REGISTER
ILLINOIS RACING BOARD
NOTICE OF EMERGENCY AMENDMENTS

- 1) Heading of the Part: Security Areas
- 2) Code Citation: 11 Ill. Adm. Code 436
- 3)

<u>Section Numbers</u>	<u>Emergency Action</u>
436.05	New Section
436.10	Repeal
436.20	Amendment
436.30	Amendment
436.40	Repeal
436.50	Repeal
436.70	Repeal
436.90	Repeal
436.110	Amendment
436.120	Amendment
436.130	Amendment
436.140	Amendment
- 4) Statutory Authority: Ill. Rev. Stat. 1991, ch. 8, par. 37-36a(b).
- 5) Effective date of amendments: August 16, 1991
- 6) If this emergency amendment is to expire before the end of the 150-day period, please specify the date on which it is to expire.
Not applicable.
- 7) Date filed in agency's principal office: August 15, 1991
- 8) Reason for the emergency: Public Act 87-0110 which was signed by the Governor on August 9, 1991 abolished the security barns. These emergency amendments provide for pre-race security areas.
- 9) A complete description of the subjects and issues involved: Public Act 87-110 (amendment #30) abolished the provision of security barns for the pre-race time period. This Public Act provides that the Board shall designate a security area which shall not be different from the stall assigned to the horse by the racing secretary. These emergency amendments provide for said changes, including but not limited to, posting of signs, security guard duties, the duties of the Illinois Racing Board and track employees and removal of rules which are no longer applicable to the pre-race security guidelines as set forth in the Public Act.
- 10) Are there any other proposed amendments pending in this Part? No.

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NOTICE OF EMERGENCY AMENDMENTS

11) Statement of Statewide Policy Objectives: No local governmental units will be required to increase expenditures.

12) Information and questions regarding this emergency shall be directed to:

Illinois Racing Board
Legal Department
100 West Randolph, Ste. 11-100
Chicago, Illinois 60601

The full text of the emergency amendments begins on the next page:

ILLINOIS RACING BOARD

NOTICE OF EMERGENCY AMENDMENTS

TITLE 11: ALCOHOL, HORSE RACING AND LOTTERY
SUBTITLE B: HORSE RACING

CHAPTER 1: ILLINOIS RACING BOARD

SUBCHAPTER b: RULES APPLICABLE TO ALL ORGANIZATION LICENSEES

PART 436

SECURITY BARN AREAS

SUBPART A: ORGANIZATION LICENSEES RESPONSIBILITIES

Section

436.05 Security Area

EMERGENCY

436.10 Security Barn Location (Repealed)

EMERGENCY

436.20 Sanitation, Hygiene and Health

EMERGENCY

436.30 Fire and Safety Regulations

EMERGENCY

436.40 Fencing and Lighting (Repealed)

EMERGENCY

436.50 Security Barn Offices (Repealed)

EMERGENCY

436.60 Penalties

SUBPART B: CONDUCT IN SECURITY BARN/LOCATIONS AREAS

436.70 Reporting for Stall Assignments (Repealed)

EMERGENCY

436.80 Identification Badges

436.90 Reporting to Security Barn Stall Assignments (Repealed)

EMERGENCY

436.100 Prohibited Conduct

436.110 Trainer's Responsibility to Guard

EMERGENCY

436.120 Access to Security Barn Area

EMERGENCY

436.130 Bleeder List Horses

EMERGENCY

436.140 Leaving the Security Barn Area

EMERGENCY

AUTHORITY: Implementing and authorized by the Illinois Horse Racing Act of 1975 (Ill. Rev. Stat., 1991, ch. 8, par. 36a(b) (Public Act 87-0110 amendment #30)).

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NOTICE OF EMERGENCY AMENDMENTS

SOURCE: Adopted at 12 Ill. Reg. 6304, effective March 18, 1988; emergency amendments at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days.

SUBPART A: ORGANIZATION LICENSEES RESPONSIBILITIES

Section 436.05 Security Area
EMERGENCY

- a) Every thoroughbred entered to race shall be in the stall assigned to it by the racing secretary four (4) hours prior to the post time of the race in which the horse is entered, and shall remain there until its presence is required in the paddock. Standardbreds shall be in their assigned stalls two (2) hours prior to their scheduled post time but may leave their stall for purposes of warming up prior to the start of the race.
- b) A sign designating the horse's stall as a secure area shall be posted on the horse's stall four (4) hours prior to that post time. The format and contents of the sign shall be approved by the Board. The signs will be provided by the track operator.
- c) The trainer of record shall designate a stall guard to attend and provide constant surveillance of the horse prior to the scheduled post time. In the case of thoroughbreds, the guard shall be on duty four (4) hours prior to the horses' post time. In the case of standardbreds, the guard shall be on duty two (2) hours prior to post time.

- d) A security force composed of Illinois Racing Board personnel and racetrack personnel shall monitor compliance with this Part. The security guards may, in their discretion, require the stall guard to present his/her Illinois Racing Board credentials, and may check equine identification numbers. The security guards will be under the supervision of the Stewards or other designees of the Illinois Racing Board.

(SOURCE: Emergency added at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.10 Security Barn Location (Repealed)
EMERGENCY

Each organization licensee shall maintain its security barn location area in compliance with the fire regulations contained in 11 Ill. Adm. Code 403. Each organization licensee shall provide a number of uniformed security guards so as to protect and preserve the security of the security barn/area.

ILLINOIS RACING BOARD

NOTICE OF EMERGENCY AMENDMENTS

Each organization licensee shall maintain its security barn location area in compliance with the fire regulations contained in 11 Ill. Adm. Code 403. Each organization licensee shall provide a number of uniformed security guards so as to protect and preserve the security of the security barn/area.

(SOURCE: Emergency repealer at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.20 Sanitation, Hygiene and Health
EMERGENCY

Each organization licensee shall maintain and keep sanitary the security barn location area and ensure that the location is heated and ventilated, so as to allow for sufficient care and preparation of the horses and security barn/area, and that all stalls are suitable and ready for use at the appropriate time.

(SOURCE: Emergency amendment at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.30 Fire and Safety Regulations
EMERGENCY

Each organization licensee shall maintain its security barn location area in compliance with the fire regulations contained in 11 Ill. Adm. Code 403. Each organization licensee shall provide a number of uniformed security guards so as to protect and preserve the security of the security barn/area.

(SOURCE: Emergency amendment at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.40 Fencing and Lighting (Repealed)
EMERGENCY

Each organization licensee shall provide fencing, which shall be erected around the perimeter of the security barn location area, which shall allow access to the security barn/area, and shall be maintained in good condition. The licensee shall provide adequate lighting for the security barn/area, and shall maintain the security barn/area in good condition.

(SOURCE: Emergency repealer at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days

ILLINOIS RACING BOARD

NOTICE OF EMERGENCY AMENDMENTS

Section 436.50 Security Barn Offices (~~Repealed~~)
EMERGENCY

THESE REPRESENTATIVES TO CARRY OUT EACH ORGANIZATION'S LICENSE SHALL PROVIDE AN OFFICE IN/THESE PROXIMATE TO

(SOURCE: Emergency repealer at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

SUBPART B: CONDUCT IN SECURITY BARN/LOCATIONS AREA

Section 436.70 Reporting for Stall Assignments (~~Repealed~~)
EMERGENCY

every state that reports to the security department scheduled to stay in the state, the security department upon reporting to the state, the state will give the number of the state, the program number of the state and the state persons authorized to have access to the state.

[illegible]

(SOURCE: Emergency repealer at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.90
EMERGENCY

After the trainer has received a stall assignment, the trainer may bring the horse to the assigned stall in the security barn. Any time after the barn opens, depending on stall availability, in any event, no horse shall be brought to an assigned stall after the time specified by the Board and posted on the security barn premises. The horse shall be identified with a color-coded identification tag or badge specifying the race and program number. Any trainer who fails to have his horse in its assigned stall at the required time shall be reported to the steward and shall be assessed a civil penalty, and/or have his membership suspended and/or have his/her horse scratched. In determining the penalty, consideration shall be given to all facts and circumstances.

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7. A listing of each of the previous ratings by a taxpayer of the security based on the number of factors as the reason for the rating.

(SOURCE: Emergency repealer at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.110 Trainer's Responsibility to Guard EMERGENCY

The duties imposed upon trainers in 11 Ill. Adm. Code 509.200 will continue to be in effect while a horse is in the security ~~WAV~~ area.

(SOURCE: Emergency amendment at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.120 Access to Security Barn Area
EMERGENCY

No person shall be permitted access to the security ~~WARR/LOCATION~~ area without the authorization of the Board or its designee. //WHITING/WARR/SECURITY/BOARD/ACCESS/TO/AKONOR/WARR/SECURITY/LOCATION/ACCESS/TO/SECURITY/SECURITY/ However, not more than three (3) licensees authorized to have access to a horse ~~WARR/SECURITY/ACCESS/TO~~/436170, including the owner, shall be allowed simultaneous access to the security ~~WARR/LOCATION~~ area during its official hours of operation. Licensees authorized to enter a security ~~WARR~~ area shall be allowed access only to those stalls where the horse to which they have been authorized access has been assigned.

(SOURCE: Emergency amendment at 15 Ill. Reg. 12944, effective August 16, 1991, for a maximum of 150 days)

Section 436.130 Bleeder List Horses
EMERGENCY

- a) Procedures for placing a horse on the bleeder list are contained at 11 Ill. Adm. Code 509.90(e) and must be complied with before a horse may be administered medication pursuant to this Section.
- b) All horses on the bleeder list shall be treated with lasix no earlier than 4 hours prior to the post time of the race in which the horse is entered. The licensed veterinarian shall inject the horse with no more or less than 250 m.g. of lasix. The State Veterinarian or his designee may witness the injection if the facts and circumstances indicate a potential for abuse.

IT Chicago

SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of August 14, 1991 through August 20, 1991, and have been scheduled for review by the Committee at its September, 1991 meeting. Other items not contained in this published list may also be considered by the Committee at its September meeting. Members of the public wishing to express their views with respect to a proposed rule should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 509 South Sixth Street, Room 500, Springfield, IL 62701.

Second Notice Expires	Agency and Rule	Start of First Notice	Scheduled for Consideration by JCAR
9/30/91	Department of Insurance, Cost Containment Form and Data Reporting Requirements (50 Ill. Adm. Code 6602)	5/17/91 15 Ill. Reg. 7391	September, 1991
9/30/91	Department of Insurance, Advertising and Sales Promotion of Life Insurance and Annuities (50 Ill. Adm. Code 909)	6/21/91 15 Ill. Reg. 8766	September, 1991
9/30/91	Illinois Housing Development Authority, Affordable Housing Program (47 Ill. Adm. Code 360)	6/28/91 15 Ill. Reg. 9260	September, 1991
9/30/91	Illinois Housing Development Authority, Low-Income Housing Tax Credit Allocation (47 Ill. Adm. Code 350)	6/28/91 15 Ill. Reg. 9282	September, 1991
9/30/91	Department of Mental Health and Developmental Disabilities, Recipient's Property (59 Ill. Adm. Code 110)	6/21/91 15 Ill. Reg. 8774	September, 1991

PROCLAMATION

91-402
BOOK IT! DAY

Whereas, an informed and literate citizenry is vital to a strong democracy; and

Whereas, for more than 6 years, the BOOK IT! National Reading Incentive Program, sponsored by Pizza Hut, Inc., has proven an effective tool in encouraging the educational development of our most valuable resource--our youth. This program motivates children to read and helps them develop a love for reading and the written word; and

Whereas, at every stage of life, reading helps individuals to meet their responsibilities to country, community, family, and self by providing entertainment, knowledge, and information; and

Whereas, the U.S. Senate and House of Representatives have designated 1991 as "Year of the Lifetime Reader;" and

Whereas, through BOOK IT!, children develop an appreciation for reading and learn the value of goal setting, teamwork, and dependability; and

Whereas, in our state, 33,233 classrooms with 830,825 students in 2,545 schools are participating in the BOOK IT! Program, which runs from October through February;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 1, 1991, as BOOK IT! DAY in Illinois and encourage all elementary school students to increase their appreciation of reading through participation in this worthy program.

Issued by the Governor August 14, 1991.
Filed with the Secretary of State August 16, 1991.

91-403
CHAMBER OF COMMERCE WEEK

Whereas, chambers of commerce work with business communities to advance the civic, economic, industrial, professional, and cultural welfare of our state; and

Whereas, chambers of commerce encourage the growth of existing industries and businesses and encourage new firms and individuals to locate in Illinois, acting as a liaison between the State of Illinois, local governments, and the business community; and

Whereas, our state is home to international chambers of commerce, the central region office of the U.S. Chamber of Commerce, the Illinois State Chamber of Commerce, and more than 300 local chambers of commerce; and

Whereas, chambers of commerce have contributed to the civic and economic life in Illinois for 153 years, since the Galena Chamber of Commerce was founded in 1838; and

Whereas, 1991 marks the 76th anniversary of the founding of

the Illinois Association of Chamber of Commerce Executives, an organization devoted to the professional development and training of chamber executives;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 22-28, 1991, as CHAMBER OF COMMERCE WEEK in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-404

CHICAGO HOUSING AUTHORITY SENIOR WELLNESS EXPOSITION '91 DAY

Whereas, the Executive Planning Committee of the Chicago Housing Authority Senior Wellness Exposition '91 will hold its fifth annual health fair August 22; and

Whereas, the health fair seeks to promote awareness of the services the Chicago Housing Authority and its networking support agencies provide to improve the quality of life for our elderly and disabled citizens; and

Whereas, increasing awareness of these services will help elderly and disabled citizens make educated, informed decisions about utilizing the various programs and services available to aid their overall wellness; and

Whereas, this segment of Illinois' population is growing rapidly and these citizens' needs demands special attention;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim August 22, 1991, as CHICAGO HOUSING AUTHORITY SENIOR WELLNESS EXPOSITION '91 DAY in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-405

CUSTOMER SERVICE WEEK

Whereas, the value and importance of the customer must be recognized in order to provide quality customer service; and

Whereas, successful businesses are distinguished by their ability to provide excellent customer service and to understand the influence a customer has on a company's prosperity; and

Whereas, today's high cost of attracting new customers further emphasizes the need to keep existing customers through effective service;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 6-12, 1991, as CUSTOMER SERVICE WEEK in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-406

ILLINOIS SOCIETY OF RESPIRATORY CARE WEEK

Whereas, the Illinois Society for Respiratory Care is a well-known, prestigious organization of respiratory therapists who practice throughout our state; and

Whereas, respiratory therapists are involved in an extensive number of lifesaving and life-supporting activities, including care for patients afflicted with asthma, emphysema, pneumonia, and bronchitis, as well as for seriously ill patients who have suffered cardiac or respiratory arrest; and

Whereas, there are approximately 5,000 practicing respiratory specialists in our state;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 6-12, 1991, as ILLINOIS SOCIETY OF RESPIRATORY CARE WEEK in Illinois, in recognition of the 44th year of service this selfless group of medical professionals has provided to our citizens.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-407

INTERNATIONAL VISITORS MONTH

Whereas, the Springfield Commission for International Visitors conducts educational and cultural exchange programs that bring current and future foreign leaders to the great state of Illinois to meet her citizens and experience their many lifestyles; and

Whereas, these exchanges are sponsored by the United States Information Agency and the U.S. Agency for International Development; and

Whereas, the experiences of these visitors affect attitudes and decisions regarding the United States and international relations in general; and

Whereas, such international visits not only enrich Illinois in cultural, social and human terms, but also provide opportunities in international trade, commerce, and economic development; and

Whereas, such broad and meaningful exposure requires thousands of Illinois volunteers; and

Whereas, the continuing vitality and growing value of such programs depend upon community awareness and support; and

Whereas, President Bush and Congress passed legislation designating September 1990 as International Visitors Month;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 1991 as INTERNATIONAL VISITORS MONTH in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-408

KID SAFE SATURDAY

Whereas, The National Child Safety Council is dedicated to delivering the message of safety to children nationwide with various educational workshops offered through a program called Kid Safe; and

Whereas, the educational workshops cover a variety of safety topics including fire safety, traffic safety, water safety, emergency first aid, emergency telephone training, and personal safety; and

Whereas, Kid Safe has been implemented in hospitals in more than 130 cities and 35 states; and

Whereas, the National Child Safety Council and its Illinois Kid Safe sponsors, comprised of the health care community, emergency services, the American Red Cross, the American Heart Association, the business community, and hundreds of community organizations, are coordinating efforts to deliver the Kid Safe message to thousands of children through a "Kid Safe Illinois-1991" campaign;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 5, 1991, as KID SAFE SATURDAY in Illinois and encourage citizens to take the steps necessary to make Illinois a safe place for our children to live.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-409

LIONESSE CARAMEL CORN DAY

Whereas, the Lioness Clubs of Illinois tirelessly donate their time to ongoing efforts to help the blind, visually impaired, deaf, and hearing impaired; and

Whereas, the Lioness Clubs of Illinois are sponsoring Lioness Caramel Corn Day for Sight and Sound throughout our state Friday, May 1, 1992; and

Whereas, Caramel Corn Day is being held under the auspices of the Lions of Illinois Foundation, a nonprofit organization; and Whereas, Illinois residents will benefit greatly from funds raised on Caramel Corn Day;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 1, 1992, as LIONESSE CARAMEL CORN DAY in Illinois and urge citizens to support this worthwhile endeavor.

Issued by the Governor August 14, 1991.

Filed with the State of Illinois August 16, 1991.

91-410

LIONS CANDY DAY

Whereas, Lions of Illinois have spearheaded efforts to

protect our citizens against the ravages of blindness and deafness for many years; and

Whereas, presently 28,000 Illinois citizens are blind and 106,000 Illinois residents are deaf or hearing-impaired; and

Whereas, Lions have expended millions of dollars in recent years for an eye donor registry, glaucoma and hearing screenings, camping programs, hearing aid and eyeglass collections, and hundreds of other local programs; and

Whereas, on Friday, October 11, 1991, Lions are observing Candy Day, their primary fund-raising event of the year;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 11, 1991, as LIONS CANDY DAY in Illinois, in recognition and support of the organization's many worthwhile endeavors.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-411

MCELROY FAMILY REUNION WEEKEND

Whereas, the McElroy 37th Annual Family Reunion will be held August 31-September 2 in Chicago; and

Whereas, the McElroy Family Reunion is a not-for-profit organization chartered by the State of Illinois to promote family love and unity, which in turn instills good citizenship and a quest for excellence in our children; and

Whereas, more than 200 members of the McElroy family from all over the United States will attend the reunion;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim August 31-September 2, 1991, as THE MCELROY FAMILY REUNION WEEKEND in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-412

OSTEOPATHIC MEDICINE WEEK

Whereas, for more than 100 years, the osteopathic medical profession has been dedicated to preserving good health for all Americans; and

Whereas, osteopathic health care is a distinctive branch of mainstream medical care, and Illinois Doctors of Osteopathy are fully licensed physicians who stress the unity of all body systems and emphasize the importance of the musculoskeletal system; and

Whereas, osteopathic physicians and hospitals are concerned with meeting the health needs of the whole person and the whole family and offer preventative medical services; and

Whereas, we should recognize the need for the latest technology and for caring physicians committed to family

practice, modern health care, and the entire person in treating illnesses; and

Whereas, National Osteopathic Medicine Week will be observed nationwide September 22-28;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 22-28, 1991, as OSTEOPATHIC MEDICINE WEEK in Illinois, in accordance with the national observance.

Issued by the Governor August 14, 1991.
Filed with the Secretary of State August 16, 1991.

91-413

POW/MIA RECOGNITION DAY

Whereas, President Bush has declared his administration's policy on Prisoners of War and those Missing in Action related to Indochinese governments as follows: "We will do everything that a government can do to recover the missing, and if we discover proof of captivity, we will take action to bring our men home"; and

Whereas, it has been 18 years since the Paris Accords were signed to end the Vietnam War, yet 2,273 Americans remain missing or unaccounted for in Southeast Asia; and

Whereas, it is not known whether Americans missing in action are alive or dead; and

Whereas, we deeply appreciate and are totally sympathetic to the pain and suffering endured by families whose fathers, sons, husbands, or brothers are today still missing or unaccounted for. These families are an example of the strength and patriotism of all Americans; and

Whereas, we recognize the special debt all Americans owe to our fellow citizens who gave up their freedom in the service of our country. We owe no less to their families;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 20, 1991, as POW/MIA RECOGNITION DAY in Illinois. I call upon Illinoisans to observe the day with appropriate ceremonies and programs so that the memory of those brave Americans will not be lost.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-414

SOUTHERN GOSPEL MUSIC MONTH

Whereas, southern gospel music carries the message of love and is one of the fastest-growing music forms in the nation; and

Whereas, this cherished musical form is music of the heart, home, and family and is based on traditional values of Americans from the past two centuries; and

Whereas, the wide range of styles represented by southern gospel music nurtured the development of country music and other forms of gospel music; and

Whereas, hundreds of full- and part-time musical groups and more than 1,000 American radio stations play southern gospel music, which has led to a significant increase in record sales and concert attendance;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 1991 as SOUTHERN GOSPEL MUSIC MONTH in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-415

SPINAL HEALTH CARE MONTH

Whereas, during October, doctors of chiropractic throughout the United States take part in a community health program to promote the importance of our citizens' spinal health; and

Whereas, spinal integrity helps all organs in the body function more efficiently, and spinal health is essential to proper growth and development; and

Whereas, Illinoisans should become more aware of their spinal health and receive periodic examinations; and

Whereas, the chiropractic science and the doctors who practice it have contributed greatly to the better health of our citizenry by providing this specialized health care;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 1991 as SPINAL HEALTH CARE MONTH in Illinois.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-416

TEMPORARY HELP WEEK

Whereas, the temporary help industry is a major contributor to a strong U.S. economy; and

Whereas, the temporary help industry employed more than 6.5 million people through more than one million jobs daily in 1990; and

Whereas, the temporary help industry payroll was \$10.1 billion in 1990; and

Whereas, temporary help companies provide our state's businesses with efficient, qualified people to solve temporary staff shortages; and

Whereas, this immediacy in solving staff shortages is so important that nine out of 10 companies, ranging from small local businesses to major corporations, use temporary help services for their additional staffing needs; and

Whereas, the temporary help industry provides millions of people with diversified, flexible employment;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 13-19, 1991, as TEMPORARY HELP WEEK in Illinois.

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Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

in Illinois and urge citizens to recognize the consequences of world overpopulation and do what they can to contribute to a solution.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-417

UNION LABEL WEEK

Whereas, organized labor has always led the fight to improve conditions for all American workers; and

Whereas, labor organizations remain in the forefront of battles to protect consumer rights and secure justice and equality for all citizens; and

Whereas, foreign goods are invading our markets at a record rate and are pushing American products out, creating plant closings, unemployment, and an unparalleled imbalance of trade; and

Whereas, we can protect the American economy by insisting on buying American-made products; and

Whereas, distinctive emblems of quality American craftsmanship and service are the union label, shop card, store card, and service button;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim September 2-7, 1991, as UNION LABEL WEEK in Illinois and urge citizens to support our nation by purchasing American goods whenever possible.

Issued by the Governor August 14, 1991.

Filed with the Secretary of State August 16, 1991.

91-418

WORLD POPULATION AWARENESS WEEK

Whereas, the world population exceeds 5.3 billion and is growing at an unprecedented rate of approximately 90 million per year. The population will grow by three billion people in the next 30 years, a number equal to the world population in 1960; and

Whereas, the impact of a growing world population has contributed substantially to environmental degradation and natural resource depletion and poses a growing threat to natural ecosystems; and

Whereas, one-half of the 10 million infant deaths and one-quarter of the 500,000 maternal deaths that occur each year in the developing world could be prevented if voluntary child spacing and maternal health programs could be substantially expanded; and

Whereas, research reveals that one-half of the women of reproductive age in developing countries would like to limit the size of their families but lack the means or ability to gain access to family planning;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 20-26, 1991, as WORLD POPULATION AWARENESS WEEK

ACTION CODES
 JCAR - Joint Committee on Administrative Rules

- | | |
|--|---|
| A - Adopted Rule
AR - Adopted Repealer
C - Notice of Corrections
CC - Codification Changes
E - Emergency Rule
ER - Emergency Repealer
M - Modification to meet JCAR objections
O - JCAR Statement of Objections | P - Proposed Rule
PF - Prohibited Filing Ordered by JCAR
PP - Peremptory or Court ordered Rules
PR - Proposed Repealer
R - Refusal to meet JCAR objection
RC - Statement of Recommendation
S - Suspension ordered by JCAR
W - Withdrawal to meet JCAR objections |
|--|---|

EXAMPLE:

AGRICULTURE, DEPARTMENT OF

8 Ill. Adm. Code 285 Ill. Grain Insurance Act (P-18048/85; A-6818)

TITLE PART ACTION CODE PAGE NUMBER PREVIOUS VOLUME ACTION CODE

ALL RULES ARE LISTED BY PART NUMBER AND HEADING ONLY. (FOR ACTION ON SPECIFIC SECTIONS, PLEASE REFER TO THE SECTIONS AFFECTED INDEX.) IF THERE ARE ANY QUESTIONS, PLEASE CONTACT THE ADMINISTRATIVE CODE DIVISION AT (217) 732-9786.

ABANDONED MINED LANDS RECLAMATION COUNCIL

62 Ill. Adm. Code 2501 Abandoned Mined Lands Reclamation (P-141; A-6513)

AGING, DEPARTMENT ON

89 Ill. Adm. Code 240 Community Care Program (E-2838; A-10351) (P-18635/90; A-10351)

AGRICULTURE, DEPARTMENT OF

8 Ill. Adm. Code 255 Agrichemical Facilities (E-128)
 8 Ill. Adm. Code 270 Ill. State Fair & DuQuoin State Fair, Non-Fair Space Rental & the General Operation of the State Fairgrounds (P-10965/90; A-455)
 8 Ill. Adm. Code 125 Meat & Poultry Inspection Act (PP-620; W-1574) (P-1583) (PP-3117) (PP-8714) (P-1583; A-8801)
 2 Ill. Adm. Code 700 Organizational Chart, Description, Rulemaking Procedure, & Programs (A-6105)
 8 Ill. Adm. Code 290 Standardbred & Thoroughbred Horse Breeding & Racing Programs (P-19087/90; A-5207)

ALCOHOLISM AND SUBSTANCE ABUSE, DEPARTMENT OF

77 Ill. Adm. Code 2030 Award & Monitoring of Funds (P-9083)
 77 Ill. Adm. Code 2031 Award Criteria & Procedure (PR-9149)
 77 Ill. Adm. Code 2030 Fiscal & Programmatic Requirements (PR-9153)
 77 Ill. Adm. Code 2058 Licensure of Alcoholism & Substance Abuse Treatment, Intervention & Research Programs (P-6457/90; A-2597) (P-8837)
 77 Ill. Adm. Code 2090 Substance Abuse Treatment Services (P-9785; E-10222; C-11343)
 77 Ill. Adm. Code 2032 Suspension & Termination of Financial Assistance (PR-9218)

ASBESTOS ABATEMENT AUTHORITY, ILLINOIS

2 Ill. Adm. Code 2650 Organization, rulemaking & Public Information (A-2660)

ATTORNEY GENERAL

14 Ill. Adm. Code 475 Motor Vehicle Advertising (P-6343)

AUDITOR GENERAL

74 Ill. Adm. Code 420 Code of Regs. (P-15645/90; A-3429)

BANKS AND TRUST COMPANIES, COMMISSIONER OF

38 Ill. Adm. Code 307 Acquisition of Former Main Banking Premises or Branches of Eligible Depository Institutions (P-3611)
 38 Ill. Adm. Code 354 Administration of Collateral Obtained in Collection of a Debt (P-3614)
 38 Ill. Adm. Code 397 Corporate Fiduciary Receivership Account (P-15181/90; A-167)
 38 Ill. Adm. Code 350 Loan Agreements Providing for a Bank to Share in Profits, Income or Earnings (P-2053)

CARNIVAL-AMUSEMENT SAFETY BOARD

56 Ill. Adm. Code 6000 Carnival & Amusement Ride Inspection Law (P-2989/90; A-4109)

CENTRAL MANAGEMENT SERVICES, DEPARTMENT OF

80 Ill. Adm. Code 303 Conditions of Employment (P-4801) (E-5076) (P-17399/90; A-5214)
 89 Ill. Adm. Code 1300 Day Care (P-5141)
 80 Ill. Adm. Code 302 Merit & Fitness (P-11859)
 80 Ill. Adm. Code 310 Pay Plan (PP-663) (P-14657/90; A-3296) (P-15186/90; A-4401) (P-4497; W-5920) (PP-5100) (P-5147) (PP-5465) (P-6364) (E-10485) (P-4497; A-11080; C-11537) (P-12051)
 44 Ill. Adm. Code 5030 Personal Use of State Telephones (P-1203; A-8843)
 80 Ill. Adm. Code 2110 State of Ill. Dependent Care Assistance Plan (P-12064)
 80 Ill. Adm. Code 2120 State of Ill. Medical Care Assistance Plan (P-12074)
 44 Ill. Adm. Code 5040 State Vehicles & Garage (P-17403/90; A-7553)

CHILDREN AND FAMILY SERVICES, DEPARTMENT OF

89 Ill. Adm. Code 431 Confidentiality of Personal Information of Persons Served by the Dept. (P-4303/90; A-24)
 89 Ill. Adm. Code 552 Financial Responsibility of Parents or Guardians of the Estates of Children (P-18871/90; A-11111)
 89 Ill. Adm. Code 335 Relative Home Placement (P-8415)
 89 Ill. Adm. Code 300 Reports of Child Abuse and Neglect (P-8735)

COMMERCE AND COMMUNITY AFFAIRS, DEPARTMENT OF

56 Ill. Adm. Code 2625 Economic Dislocation & Worker Adjustment Assistance (P-13045/90; A-10368) (P-13074/90; A-10386) (P-19495/90; RC-11532)
 14 Ill. Adm. Code 520 Enterprise Zone Program (P-13060/90; A-8683) (P-9787)
 14 Ill. Adm. Code 510 Ill. Promotion Act Programs (P-13072/90; A-2673) (P-677; A-8848)
 14 Ill. Adm. Code 570 Ill. Small Business Development Program (P-4528; A-9902)
 56 Ill. Adm. Code 2650 Industrial Training Program (P-19503/90; W-3602)
 14 Ill. Adm. Code 550 Local Tourism & Convention Bureau Program (P-8782/90; A-1798) (P-10249) (E-10498; C-11014)
 47 Ill. Adm. Code 100 Residential Energy Assistance Partnership Program (P-15189/90; O-1575; R-3603; A-3437)
 14 Ill. Adm. Code 640 Rural Diversification Act Program (P-13391/90; A-7558)
 56 Ill. Adm. Code 2600 Service Delivery System & State Responsibilities (P-691) (P-11865)
 47 Ill. Adm. Code 110 State Administration of the Federal Community Development Block Grant Program for Small Cities (P-10985/90; O-19076/90; R-3127 A-4410)
 47 Ill. Adm. Code 120 State Administration of the Federal Community Services Block Grant Program (P-8617)
 14 Ill. Adm. Code 545 Technology Advancement & Development Act Programs (P-3620)
 14 Ill. Adm. Code 540 Technology Commercialization Grant-In-Aid Programs (P-11022/90; A-973)
 56 Ill. Adm. Code 2610 Training Services for the Disadvantaged (P-16117/90; A-7595) (P-3641) (P-11894)

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 92 Ill. Adm. Code 1335 Crossings of Rail Carriers & Highways (P-1817790; A-10920)
 83 Ill. Adm. Code 736 Dual Party Relay Service (P-1867590; A-5618)
 83 Ill. Adm. Code 280 Procedures for Gas, Electric, Water & Sanitary Sewer Utilities Governing Eligibility for Service, Deposits, Payment Practices & Discontinuance of Service (G.O. #172) (P-9801)
 83 Ill. Adm. Code 445 Purchase & Sale of Electric Energy From Qualified Solid Waste Energy Facilities (P-11025)
 83 Ill. Adm. Code 220 Reports of Accidents by Telecommunications Carriers & by Fixed Public Utilities Other Than Pipelines Transporting Liquids (P-1565390; A-5056)
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 83 Ill. Adm. Code 410 Standards of Service for Electric Utilities (P-11909)
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 83 Ill. Adm. Code 755 Telecommunications Access for the Hearing & Voice Impaired (P-1910990; A-5624)
 83 Ill. Adm. Code 757 Telephone Assistance Programs (PR-4803; RC-5111; AR-11911) (ER-5082)
 92 Ill. Adm. Code 1270 Transfers of Licenses (P-1617090; A-10925)
 83 Ill. Adm. Code 710 Uniform System of Accounts for Telecommunications Carriers (P-2056590; A-8205)
 92 Ill. Adm. Code 1308 Unlawful Operations (P-8097)

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23 Ill. Adm. Code 1501 Administration of the Public Community College Act (P-1889090; A-10929)

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74 Ill. Adm. Code 285 Claim Eligible to be Offset (P-1713990; A-5070)
 74 Ill. Adm. Code 280 Public Radio & Television Grants (P-1835990; O-5112; R-8724; A-8696)

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17 Ill. Adm. Code 3035 Boat Access Area Construction Program (P-1836590; A-4117)
 17 Ill. Adm. Code 530 Cock Pheasant, Hungarian Partridge, Bobwhite Quail, Rabbit & Crow Hunting (P-4805; A-9924) (P-12086)
 17 Ill. Adm. Code 830 Commercial Fishing and Musseling in Certain Waters of the State (P-2057; RC-8314; A-8544)
 17 Ill. Adm. Code 115 Competitive Tournament Fishing on State-Owned &/or Leased Water Areas (P-3365; A-9948)
 17 Ill. Adm. Code 2520 Consignment of Licenses (P-725; A-7653)
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 17 Ill. Adm. Code 510 General Hunting & Trapping on Department-Owned or -Managed Sites (P-4829; A-9966)
 17 Ill. Adm. Code 3040 Ill. Bicycle Path Grant Program (P-1838090; A-4132)
 17 Ill. Adm. Code 2550 Ill. Salmon Stamp Contest Procedures (P-3655; A-9973)
 17 Ill. Adm. Code 570 Muskrat, Mink, Raccoon, Opossum, Striped Skunk, Red Fox, Gray Fox, Coyote & Woodchuck (Groundhog) Hunting (P-6811; P-11586)
 17 Ill. Adm. Code 220 North Point Marina (P-1618290; A-1495) (P-9233)
 17 Ill. Adm. Code 525 Nuisance Wildlife Control Permits (P-1839790; A-4149)
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List of Contractors Prohibited From an Award of a Contract or a Subcontract for Public Works Projects: Mr. Stelio Tsahas
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TYPE OF RULEMAKING		ACTION CODES	
am	= amendment to existing Section	A	= Adopted rule
cc	= codification changes	C	= Correction
n	= new Section	CC	= Codification Changes
r	= repeal of existing Section	E	= Emergency rule
rc	= reclassified	F	= Failure to Remedy
#	= renumbered	M	= Modification
		O	= ICAR Objection
		P	= Proposed rule
		PF	= Prohibited Filing
		PP	= Peremptory rule
		R	= Refusal to Modify or Withdraw
		RC	= ICAR Recommendation
		S	= Suspended rule
		W	= Withdrawal of Proposed rule

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100.150	(P-7522)	am	n	(A-2660)
100.180	(P-7522)	am	n	(A-2660)
100.220	(P-7522)	am	n	(A-2660)
100.230	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.240	(P-7522)	am	am	A-8801)
100.260	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.270	(P-7522)	am	am	A-8801)
100.280	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.310	(P-7522)	am	am	A-8801)
100.335	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
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100.350	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.400	(P-7522)	am	am	A-8801)
100.450	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.500	(P-7522)	am	am	A-8801)
100.510	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.545	(P-7522)	am	am	A-8801)
100.550	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.640	(P-7522)	am	am	A-8801)
100.660	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.670	(P-7522)	am	am	A-8801)
100.680	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.735	(P-7522)	am	am	A-8801)
100.740	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.900	(P-7522)	am	am	A-8801)
100.1010	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.1020	(P-7522)	am	am	A-8801)
100.1100	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.1150	(P-7522)	am	am	A-8801)
100.1200	(P-7522)	am	am	(PP-620; W-1574) (P-1583;
100.1210	(P-7522)	am	am	A-8801)
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700.100	(A-6105)	am	am	A-8801)
700.130	(A-6105)	am	am	(PP-620; W-1574) (P-1583;
700.140	(A-6105)	am	am	A-8801)
700.150	(A-6105)	am	am	(PP-620; W-1574) (P-1583;
2025.120	(A-7897)	am	am	A-8801)
2375.110	(A-1571)	am	am	(PP-620; W-1574) (P-1583;
2650.10	(A-2660)	am	am	A-8801)
2650.20	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.30	(A-2660)	n	n	A-8801)
2650.40	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.50	(A-2660)	n	n	A-8801)
2650.60	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.100	(A-2660)	n	n	A-8801)
2650.200	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.205	(A-2660)	n	n	A-8801)
2650.210	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.220	(A-2660)	n	n	A-8801)
2650.300	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.310	(A-2660)	n	n	A-8801)
2650.311	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.312	(A-2660)	n	n	A-8801)
2650.313	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.314	(A-2660)	n	n	A-8801)
2650.320	(A-2660)	n	n	(PP-620; W-1574) (P-1583;
2650.330	(A-2660)	n	n	A-8801)
2650.340	(A-2660)	n	n	(PP-620; W-1574) (P-1583;

[illegible]

SAI-2

	TITLE 14 (CONT'D)	
am	(P-8152)	
n	(P-8975/90; A-3492)	510.40 am
n	(P-8975/90; A-3492)	510.50 am
n	(P-8975/90; A-3492)	510.60 am
n	(P-8975/90; A-3492)	510.70 am
n	(P-8975/90; A-3492)	510.80 am
n	(P-8975/90; A-3492)	510.85 n
n	(P-8975/90; A-3492)	510.110 n
am	(P-8152)	510.120 n
n	(P-8975/90; A-3492)	510.130 n
n	(P-8975/90; A-3492)	510.140 n
n	(P-8975/90; A-3492)	510.150 n
n	(P-8975/90; A-3492)	510.160 n
am	(P-8152)	510.170 n
n	(P-8975/90; A-3492)	510.175 n
n	(P-8975/90; A-3492)	510.180 n
am	(P-5609; A-11985)	510.185 n
am	(P-5614; A-11989)	510.190 n
am	(P-19703/90; A-5755)	510.195 n
am	(P-14750/90; A-2727)	510.200 n
am	(P-19694/90; A-5748)	510.205 n
am	(P-16843/90; A-5745)	520.315 n
am	(P-12385/90; A-2730)	520.740 am
n	(P-10691/90; A-20545/90; C-2044)	520.800 r
am	(P-19690/90; W-1173)	520.810 r
		520.820 r
		520.830 r
		520.900 am
n	(P-6343)	520.910 am
n	(P-6343)	520.930 am
n	(P-6343)	520.1010 am
n	(P-6343)	520.1100 n
n	(P-6343)	520.1110 n
n	(P-6343)	520.1120 n
n	(P-6343)	520.1130 n
n	(P-6343)	520.1140 n
n	(P-6343)	540.110 n
n	(P-6343)	540.120 n
n	(P-6343)	540.130 n
n	(P-6343)	540.140 n
n	(P-6343)	540.150 n
n	(P-6343)	540.160 n
n	(P-6343)	540.170 n
n	(P-6343)	540.180 n
n	(P-6343)	540.190 n
n	(P-6343)	545.315 am
n	(P-6343)	545.320 am
n	(P-6343)	545.325 am
n	(P-6343)	545.330 am
n	(P-6343)	545.345 am
n	(P-6343)	545.350 am
n	(P-6343)	545.355 am
n	(P-6343)	545.360 am
n	(P-6343)	550.20 am
n	(P-6343)	550.30 am
n	(P-6343)	550.35 am
		550.40 am
		550.50 am
n	(P-6343)	570.10 am
n	(P-6343)	570.20 am
n	(P-6343)	570.25 am
am	(P-677; A-8848)	570.30 am
am	(P-677; A-8848)	570.35 am

CAI 3

(P-677; A-8848)	570.40	am	(P-4528; A-8848)
(P-677; A-8848)	570.50	am	(P-4528; A-8848)
(P-677; A-8848)	570.60	am	(P-4528; A-8848)
(P-677; A-8848)	570.70	am	(P-4528; A-8848)
(P-677; A-8848)	640.10	n	(P-13391/900)
(P-677; A-8848)	640.20	n	(P-13391/900)
(P-13072/90; A-2673)	640.30	n	(P-13391/900)
(P-13072/90; A-2673)	640.40	n	(P-13391/900)
(P-13072/90; A-2673)	640.50	n	(P-13391/900)
(P-13072/90; A-2673)	640.60	n	(P-13391/900)
(P-13072/90; A-2673)	640.70	n	(P-13391/900)
(P-13072/90; A-2673)	640.80	n	(P-13391/900)
(P-13072/90; A-2673)	640.90	n	(P-13391/900)
(P-13072/90; A-2673)	640.100	n	(P-13391/900)
(P-13072/90; A-2673)	640.110	n	(P-13391/900)
(P-13072/90; A-2673)	640.120	n	(P-13391/900)
(P-13072/90; A-2673)	640.130	n	(P-13391/900)
(P-13072/90; A-2673)	640.140	n	(P-13391/900)
(P-13072/90; A-2673)	640.150	n	(P-13391/900)
(P-13072/90; A-2673)	640.160	n	(P-13391/900)
(P-13060/90; A-8683)	640.170	n	(P-13391/900)
(P-13060/90; A-8683)	640.180	n	(P-13391/900)
(P-13060/90; A-8683)	640.190	n	(P-13391/900)
(P-13060/90; A-8683)	640.200	n	(P-13391/900)
(P-13060/90; A-8683)	640.210	n	(P-13391/900)
(P-13060/90; A-8683)	640.220	n	(P-13391/900)
(P-9787)	640.230	n	(P-13391/900)
(P-9787)	640.240	n	(P-13391/900)
(P-13060/90; A-8683)	640.250	n	(P-13391/900)
(P-13060/90; A-8683)	640.260	n	(P-13391/900)
(P-13060/90; A-8683)	640.270	n	(P-13391/900)
(P-9787)	640.280	n	(P-13391/900)
(P-9787)	640.290	n	(P-13391/900)
(P-9787)	640.300	n	(P-13391/900)
(P-9787)	640.310	n	(P-13391/900)
(P-11022/90; A-973)	640.320	n	(P-13391/900)
(P-11022/90; A-973)	640.330	n	(P-13391/900)
(P-11022/90; A-973)	640.340	n	(P-13391/900)
(P-11022/90; A-973)	640.350	n	(P-13391/900)
(P-11022/90; A-973)	1220.100	n	(P-8747)
(P-11022/90; A-973)	1220.110	n	(P-8747)
(P-11022/90; A-973)	1220.120	n	(P-8747)
(P-11022/90; A-973)	1220.130	n	(P-8747)
(P-11022/90; A-973)	1220.140	n	(P-8747)
(P-11022/90; A-973)	1220.150	n	(P-8747)
(P-3620)	1220.160	n	(P-8747)
(P-3620)	1220.170	n	(P-8747)
(P-3620)	1220.180	n	(P-8747)
(P-3620)	1220.190	n	(P-8747)
(P-3620)	1220.200	n	(P-8747)
(P-3620)	1220.210	n	(P-8747)
(P-3620)	1220.220	n	(P-8747)
(P-3620)	1220.230	n	(P-8747)
(P-3620)	1220.240	n	(P-8747)
(P-3620)	1220.250	n	(P-8747)
(P-3620)	1220.260	n	(P-8747)
(P-3620)	1220.270	n	(P-8747)
(P-3620)	1220.280	n	(P-8747)
(P-3620)	1220.290	n	(P-8747)
(P-8782/90; A-1798)	1220.300	n	(P-8747)
(P-8782/90; A-1798)	1220.310	n	(P-8747)
(P-8782/90; A-1798)	1220.320	n	(P-8747)
(E-10498; C-11014)	1220.330	n	(P-8747)
(P-8782/90; A-1798)	1220.400	n	(P-8747)
(P-8782/90; A-1798)	1220.410	n	(P-8747)
(P-4528; A-9902)	1220.420	n	(P-8747)
(P-4528; A-9902)	1220.500	n	(P-8747)
(P-4528; A-9902)	1220.510	n	(P-8747)
(P-4528; A-9902)	1220.520	n	(P-8747)

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TABLE IV	am	(P-10251)	670-60	am	(P-4836; A-10021) (P-10255)
110.5	n	(P-10251)	680.10	n	(P-8107)
110.175	n	(P-10251)	680.20	n	(P-8107)
115.30	am	(P-3365; A-9948)	680.30	n	(P-8107)
220.20	am	(P-16182/90; A-1495)	680.40	n	(P-8107)
220.30	am	(P-16182/90; A-1495)	680.50	n	(P-8107)
220.40	am	(P-16182/90; A-1495)	680.60	n	(P-8107)
220.50	am	(P-16182/90; A-1495)	680.70	n	(P-8107)
220.60	am	(P-16182/90; A-1495)	690.20	am	(P-4214; A-10012)
220.70	am	(P-16182/90; A-1495)	690.30	am	(P-4214; A-10012)
510.10	am	(P-4829; A-9966)	710.10	am	(P-18409/90; A-4161)
525.10	n	(P-18397/90; A-4149)	710.20	am	(P-18409/90; A-4161)
525.20	n	(P-18397/90; A-4149)	710.30	am	(P-18409/90; A-4161)
525.30	n	(P-18397/90; A-4149)	710.50	am	(P-18409/90; A-4161)
525.40	n	(P-18397/90; A-4149)	710.60	am	(P-18409/90; A-4161)
525.50	n	(P-18397/90; A-4149)	715.10	am	(P-6842; A-11618)
535 Ex. A	am	(P-4805; A-9924)	715.20	am	(P-6842; A-11618)
530.80	am	(P-4805; A-9924)	715.30	am	(P-6842; A-11618)
530.90	am	(P-4805; A-9924)	715.40	am	(P-6842; A-11618)
530.100	am	(P-4805; A-9924)	720.10	am	(P-6836; A-11611)
530.105	am	(P-4805; A-9924)	720.30	am	(P-6836; A-11611)
530.110	am	(P-4805; A-9924)	720.40	am	(P-6836; A-11611)
530.120	am	(P-4805; A-9924)	730.10	am	(P-4200; A-9951)
550.10	am	(P-6823; A-11598)	730.20	am	(P-4200; A-9951)
550.20	am	(P-6823; A-11598)	730.30	am	(P-4200; A-9951)
550.30	am	(P-6823; A-11598)	740.10	am	(P-4222; A-10057)
570.20	am	(P-6823; A-11598)	740.20	am	(P-4222; A-10057)
570.30	am	(P-6811; A-11586)	810.30	r	(P-18905/90; A-4699)
570.40	am	(P-6811; A-11586)	810.35	n	(P-18905/90; A-4699)
590.10	am	(P-6811; A-11586)	810.35	n	(P-18905/90; A-4699)
590.20	am	(P-7809)	810.35	am	(P-8101)
590.25	am	(P-7809)	810.37	n	(P-18905/90; A-4699)
590.30	am	(P-7809)	810.40	r	(P-18905/90; A-4699)
590.40	am	(P-7809)	810.45	n	(P-18905/90; A-4699)
590.50	am	(P-7809)	810.45	am	(P-5160; A-9977) (E-5430)
590.60	am	(P-7809)	810.50	am	(P-18905/90; A-4699)
590 Ex. A	am	(P-7809)	810.70	am	(P-18905/90; A-4699)
650.10	am	(P-4853; A-10038)	830.05	n	(P-2057; RC-8314; A-8544)
650.20	am	(P-4853; A-10038)	830.20	am	(P-2057; RC-8314; A-8544)
650.22	am	(P-4853; A-10038)	830.60	am	(P-2057; RC-8314; A-8544)
650.23	am	(P-4853; A-10038)	830.70	am	(P-2057; RC-8314; A-8544)
650.30	am	(P-4853; A-10038)	830.80	am	(P-2057; RC-8314; A-8544)
650.40	am	(P-4853; A-10038)	830.90	am	(P-2057; RC-8314; A-8544)
650.60	am	(P-4853; A-10038)	950.40	am	(P-6807; A-11581)
650.60	am	(P-4853; A-10038)	950.50	am	(P-6807; A-11581)
660.10	n	(P-19123/90; A-4777)	1070.20	am	(P-7855)
660.10	n	(P-6851; A-11627)	1535.10	n	(P-20117/90; A-5219)
660.20	n	(P-19123/90; A-4777)	1590.50	am	(P-16174/90; A-32)
660.20	am	(P-6851; A-11627)	1590.70	am	(P-11359)
660.21	am	(P-19123/90; A-4777)	1590.80	am	(P-16174/90; A-32) (P-11359)
660.21	am	(P-6851; A-11627)	1590.90	am	(P-16174/90; A-32)
660.25	am	(P-19123/90; A-4777)	1590.100	am	(P-11359)
660.25	n	(P-6851; A-11627)	1590.110	am	(P-11359)
660.30	n	(P-19123/90; A-4777)	2250.50	am	(P-725; A-7653)
660.30	am	(P-6851; A-11627)	2250.10	am	(P-3655; A-9973)
660.40	am	(P-19123/90; A-4777)	2250.15	n	(P-3655; A-9973)
660.40	am	(P-6851; A-11627)	3035.10	n	(P-18365/90; A-4117)
660.45	n	(P-6851; A-11627)	3035.30	am	(P-18365/90; A-4117)
660.50	n	(P-19123/90; A-4777)	3035.40	am	(P-18365/90; A-4117)
660.60	n	(P-6851; A-11627)	3035.50	am	(P-18365/90; A-4117)
670.10	am	(P-4836; A-10021)	3035.60	am	(P-18365/90; A-4117)
670.20	am	(P-4836; A-10021)	3035.70	am	(P-18365/90; A-4117)
670.30	am	(P-4836; A-10021)	3040 Ap. B	n	(P-18380/90; A-4132)
670.40	am	(P-4836; A-10021)	3040 Ap. C	n	(P-18380/90; A-4132)

TITLE 23 (CONT'D)			TITLE 32 (CONT'D)		
1501.515	am	(P-18890/90; A-10929)	335.9040	n	(P-11585/90; A-10763)
1501.517	am	(P-18890/90; A-10929)	335.9050	n	(P-11585/90; A-10763)
2400.20	am	(P-4550; A-10069)	335.9060	n	(P-11585/90; A-10763)
2400.30	am	(P-4550; A-10069)	335.9070	n	(P-11585/90; A-10763)
2400.50	am	(P-5034)	335.9080	n	(P-11585/90; A-10763)
2790.10	am	(P-5034)	335.9090	n	(P-11585/90; A-10763)
2790.20	am	(P-5034)	335.9100	n	(P-11585/90; A-10763)
2790.30	am	(P-5034)	335.9120	n	(P-11585/90; A-10763)
2790.40	am	(P-5034)	335.9130	n	(P-11585/90; A-10763)
2790.50	am	(P-5034)	335.9140	n	(P-11585/90; A-10763)
2790.60	am	(P-5034)	335.9150	n	(P-11585/90; A-10763)
2790.70	am	(P-5034)	335.9160	n	(P-11585/90; A-10763)
2790.80	am	(P-5034)	335.9170	n	(P-11585/90; A-10763)
2790.90	am	(P-5034)	335.9180	n	(P-11585/90; A-10763)
2790.100	am	(P-5034)	335.9190	n	(P-11585/90; A-10763)
2790.110	am	(P-5034)	360.20	am	(P-6940/90; A-6180)
2790.120	am	(P-5034)	360.30	am	(P-6940/90; A-6180)
2790.130	am	(P-5034)	360.40	am	(P-6940/90; A-6180)
2790.140	am	(P-5034)	360.60	am	(P-6940/90; A-6180)
2790.140	n	(P-5034)	360.20	am	(P-6940/90; A-6180)
2790.Ap.A	n	(P-5034)	360.70	am	(P-6940/90; A-6180)
TITLE 26			360.71	am	(P-6940/90; A-6180)
100.30	r	(P-5939)	360.71	n	(P-6940/90; A-6180)
125.425	am	(P-5943)	360.Ap.A	n	(P-6940/90; A-6180)
210.10	am	(P-3814/90; A-4450)	360.II.A	n	(P-6940/90; A-6180)
210.Ap.A	n	(P-3814/90; A-4450)	360.II.B	n	(P-6940/90; A-6180)
TITLE 32			360.Tb.C	am	(P-6940/90; A-6180)
310.10	am	(P-11450/90; A-10604)	370.10	r	(P-11653/90; RC-8316; A-10846)
310.20	am	(P-11450/90; A-10604)	370.20	r	(P-11653/90; RC-8316; A-10846)
310.30	am	(P-11450/90; A-10604)	370.25	r	(P-11653/90; RC-8316; A-10846)
310.40	am	(P-11450/90; A-10604)	370.30	r	(P-11653/90; RC-8316; A-10846)
310.50	am	(P-11450/90; A-10604)	370.40	r	(P-11653/90; RC-8316; A-10846)
310.80	am	(P-11450/90; A-10604)	401.20	am	(P-1390; A-7054)
310.81	n	(P-11450/90; A-10604)	401.30	am	(P-1390; A-7054)
310.82	n	(P-11450/90; A-10604)	401.40	am	(P-1390; A-7054)
310.90	am	(P-11450/90; A-10604)	401.50	am	(P-1390; A-7054)
310.130	am	(P-11450/90; A-10604)	401.60	am	(P-1390; A-7054)
310.Ap.C	am	(P-11471/90; A-10632)	401.70	am	(P-1390; A-7054)
330.10	am	(P-11471/90; A-10632)	401.80	am	(P-1390; A-7054)
330.30	am	(P-11471/90; A-10632)	401.100	am	(P-1390; A-7054)
330.200	am	(P-11471/90; A-10632)	401.110	am	(P-1390; A-7054)
330.220	am	(P-11471/90; A-10632)	401.130	am	(P-1390; A-7054)
330.240	am	(P-11471/90; A-10632)	401.140	am	(P-1390; A-7054)
330.250	am	(P-11471/90; A-10632)	401.Ap.A	n	(P-1390; A-7054)
330.260	am	(P-11471/90; A-10632)	401.Ap.B	n	(P-1390; A-7054)
330.270	am	(P-11471/90; A-10632)	606.20	am	(P-20573/90; A-8958)
330.280	am	(P-11471/90; A-10632)	606.30	am	(P-20573/90; A-8958)
330.310	am	(P-11471/90; A-10632)	606.60	am	(P-20573/90; A-8958)
330.320	am	(P-11471/90; A-10632)	TITLE 35		
330.340	am	(P-11471/90; A-10632)	101.103	am	(P-9822)
330.400	am	(P-11471/90; A-10632)	101.102	am	(P-780)
330.400	am	(P-11471/90; A-10632)	201.102	am	(P-780)
330.Ap.B	r	(P-11471/90; A-10632)	201.401	am	(P-4573; P-12697/90; A-5223)
330.Ap.C	r	(P-11471/90; A-10632)	211.122	am	(P-6385; P-8416/90; A-7901)
330.Ap.D	am	(P-11471/90; A-10632)	212.110	am	(P-4668)
330.Ap.G	n	(P-11471/90; A-10632)	212.111	am	(P-4668)
330.Ap.H	n	(P-11471/90; A-10632)	212.113	am	(P-4668)
331.10	am	(P-15672/90; A-90)	TITLE 36		
331.20	am	(P-15672/90; A-90)	101.103	am	(P-9822)
331.30	am	(P-15672/90; A-90)	101.102	am	(P-780)
331.110	am	(P-15672/90; A-90)	201.102	am	(P-780)
331.120	am	(P-15672/90; A-90)	201.401	am	(P-4573; P-12697/90; A-5223)
331.130	am	(P-15672/90; A-90)	211.122	am	(P-6385; P-8416/90; A-7901)
331.140	am	(P-15672/90; A-90)	212.110	am	(P-4668)
331.150	am	(P-15672/90; A-90)	212.111	am	(P-4668)
331.160	am	(P-15672/90; A-90)	212.113	am	(P-4668)

SAL-6

SAL-7

SAI-21

SAI-20

TITLE 68 (CONT'D)		TITLE 74		TITLE 77		TITLE 78	
1380.310	am	(P-7346/90; A-247)	1500.35	am	(P-8635)	1500.35	am
1380.320	am	(P-7346/90; A-247)	1500.45	am	(P-8635)		
1380.330	am	(P-7346/90; A-247)					
1380.40-A	am	(P-1951/90; A-10416)	280.10	am	(P-18359/90; A-8696)		
1450.11	#	(P-1951/90; A-10416)	280.20	am	(P-18359/90; A-8696)		
1450.12	am	(P-1951/90; A-10416)	280.35	am	(P-18359/90; A-8696)		
1450.13	#	(P-1951/90; A-10416)					
1450.15	am	(P-1951/90; A-10416)	285.1102	am	(P-17139/90; A-5070)		
1450.17	am	(P-1951/90; A-10416)	285.1106	am	(P-17139/90; A-5070)		
1450.18	n	(P-1951/90; A-10416)	420.630	am	(P-15645/90; A-3429)		
1450.20	am	(P-1951/90; A-10416)	420.640	am	(P-15645/90; A-3429)		
1450.30	am	(P-1951/90; A-10416)	750.10	n	(P-1791; RC-8317)		
1450.40	am	(P-1951/90; A-10416)	750.20	n	(P-1791; RC-8317)		
1450.50	am	(P-1951/90; A-10416)	750.30	n	(P-1791; RC-8317)		
1450.55	n	(P-1951/90; A-10416)	750.40	n	(P-1791; RC-8317)		
1450.60	am	(P-1951/90; A-10416)	750.50	n	(P-1791; RC-8317)		
1450.70	am	(P-1951/90; A-10416)	750.60	n	(P-1791; RC-8317)		
1450.80	am	(P-1951/90; A-10416)	750.70	n	(P-1791; RC-8317)		
1450.90	am	(P-1951/90; A-10416)	750.80	n	(P-1791; RC-8317)		
	am	(P-1951/90; A-10416)	750.90	n	(P-1791; RC-8317)		
	am	(P-1951/90; A-10416)	750.100	n	(P-1791; RC-8317)		
	am	(P-1951/90; A-10416)	750.110	n	(P-1791; RC-8317)		
	am	(P-1951/90; A-10416)	750.120	n	(P-1791; RC-8317)		
1450.100	am	(P-1951/90; A-10416)					
	am	(P-1951/90; A-10416)					
1450.140	am	(P-1951/90; A-10416)	205.810	am	(P-4932)		
	am	(P-1951/90; A-10416)	205.820	r	(P-4932)		
1450.150	am	(P-1951/90; A-10416)	205.830	n	(P-4932)		
1450.170	am	(P-1951/90; A-10416)	205.840	n	(P-4932)		
1450.180	am	(P-1951/90; A-10416)	205.850	n	(P-4932)		
1450.185	am	(P-1951/90; A-10416)	205.860	n	(P-4932)		
1450.210	r	(P-1951/90; A-10416)	245.10	am	(P-14699/90; A-5376)		
1450.215	am	(P-1951/90; A-10416)	245.20	am	(P-14699/90; A-5376)		
1450.220	r	(P-1951/90; A-10416)	245.25	am	(P-14699/90; A-5376)		
1450.230	#	(P-1951/90; A-10416)	245.30	am	(P-14699/90; A-5376)		
1450.240	am	(P-1951/90; A-10416)	245.40	am	(P-14699/90; A-5376)		
1450.250	#	(P-1951/90; A-10416)	245.50	am	(P-14699/90; A-5376)		
1450.260	r	(P-1951/90; A-10416)	245.60	am	(P-14699/90; A-5376)		
1450.270	r	(P-1951/90; A-10416)	245.80	am	(P-14699/90; A-5376)		
1450.275	n	(P-1951/90; A-10416)	245.90	n	(P-14699/90; A-5376)		
1450.280	n	(P-1951/90; A-10416)	245.100	n	(P-14699/90; A-5376)		
1450.290	am	(P-1951/90; A-10416)	245.110	n	(P-14699/90; A-5376)		
1480.10	r	(P-1429/90; A-7081)	245.120	n	(P-14699/90; A-5376)		
1480.20	r	(P-1429/90; A-7081)	245.130	n	(P-14699/90; A-5376)		
1480.30	r	(P-1429/90; A-7081)	245.140	n	(P-14699/90; A-5376)		
1480.40	r	(P-1429/90; A-7081)	245.150	n	(P-14699/90; A-5376)		
1480.45	#	(P-1429/90; A-7081)	250.120	am	(P-16259/90; A-5328)		
1480.50	n	(P-1429/90; A-7081)	250.160	am	(P-4946)		
1480.55	n	(P-1429/90; A-7081)	250.210	am	(P-16259/90; A-5328)		
1480.60	n	(P-1429/90; A-7081)	250.240	am	(P-16259/90; A-5328)		
1480.70	n	(P-1429/90; A-7081)	250.250	am	(P-4946)		
1480.80	n	(P-1429/90; A-7081)	250.260	am	(P-16259/90; A-5328)		
1480.90	#	(P-1429/90; A-7081)	250.310	am	(P-16259/90; A-5328)		
1480.100	am	(P-1429/90; A-7081)	250.320	am	(P-16259/90; A-5328)		
1480.110	n	(P-1429/90; A-7081)	250.330	am	(P-16259/90; A-5328)		
1480.120	n	(P-1429/90; A-7081)	250.340	am	(P-16259/90; A-5328)		
1480.130	n	(P-1429/90; A-7081)	250.350	am	(P-16259/90; A-5328)		
1480.140	n	(P-1429/90; A-7081)	250.360	am	(P-16259/90; A-5328)		
1480.150	n	(P-1429/90; A-7081)	250.370	am	(P-16259/90; A-5328)		
1480.160	n	(P-1429/90; A-7081)	250.380	am	(P-16259/90; A-5328)		
1480.170	n	(P-1429/90; A-7081)	250.390	am	(P-16259/90; A-5328)		
1480.180	n	(P-1429/90; A-7081)	250.400	am	(P-16259/90; A-5328)		
1480.190	#	(P-1429/90; A-7081)	250.410	am	(P-16259/90; A-5328)		
1480.200	am	(P-1429/90; A-7081)	250.420	am	(P-16259/90; A-5328)		
1480.210	n	(P-1429/90; A-7081)	250.430	am	(P-16259/90; A-5328)		
1480.220	#	(P-1429/90; A-7081)	250.440	am	(P-16259/90; A-5328)		
1480.230	am	(P-1429/90; A-7081)	250.450	am	(P-16259/90; A-5328)		
1480.240	am	(P-1429/90; A-7081)	250.460	am	(P-16259/90; A-5328)		
1480.250	am	(P-1429/90; A-7081)	250.470	am	(P-16259/90; A-5328)		
1480.260	am	(P-1429/90; A-7081)	250.480	am	(P-16259/90; A-5328)		
1480.270	am	(P-1429/90; A-7081)	250.490	am	(P-16259/90; A-5328)		
1480.280	am	(P-1429/90; A-7081)	250.500	am	(P-16259/90; A-5328)		
1480.290	am	(P-1429/90; A-7081)	250.510	am	(P-16259/90; A-5328)		
1480.300	am	(P-1429/90; A-7081)	250.520	am	(P-16259/90; A-5328)		
1480.310	am	(P-1429/90; A-7081)	250.530	am	(P-16259/90; A-5328)		
1480.320	am	(P-1429/90; A-7081)	250.540	am	(P-16259/90; A-5328)		
1480.330	am	(P-1429/90; A-7081)	250.550	am	(P-16259/90; A-5328)		
1480.340	am	(P-1429/90; A-7081)	250.560	am	(P-16259/90; A-5328)		
1480.350	am	(P-1429/90; A-7081)	250.570	am	(P-16259/90; A-5328)		
1480.360	am	(P-1429/90; A-7081)	250.580	am	(P-16259/90; A-5328)		
1480.370	am	(P-1429/90; A-7081)	250.590	am	(P-16259/90; A-5328)		
1480.380	am	(P-1429/90; A-7081)	250.600	am	(P-16259/90; A-5328)		
1480.390	am	(P-1429/90; A-7081)	250.610	am	(P-16259/90; A-5328)		
1480.400	am	(P-1429/90; A-7081)	250.620	am	(P-16259/90; A-5328)		
1480.410	am	(P-1429/90; A-7081)	250.630	am	(P-16259/90; A-5328)		
1480.420	am	(P-1429/90; A-7081)	250.640	am	(P-16259/90; A-5328)		
1480.430	am	(P-1429/90; A-7081)	250.650	am	(P-16259/90; A-5328)		
1480.440	am	(P-1429/90; A-7081)	250.660	am	(P-16259/90; A-5328)		
1480.450	am	(P-1429/90; A-7081)	250.670	am	(P-16259/90; A-5328)		
1480.460	am	(P-1429/90; A-7081)	250.680	am	(P-16259/90; A-5328)		
1480.470	am	(P-1429/90; A-7081)	250.690	am	(P-16259/90; A-5328)		
1480.480	am	(P-1429/90; A-7081)	250.700	am	(P-16259/90; A-5328)		
1480.490	am	(P-1429/90; A-7081)	250.710	am	(P-16259/90; A-5328)		
1480.500	am	(P-1429/90; A-7081)	250.720	am	(P-16259/90; A-5328)		
1480.510	am	(P-1429/90; A-7081)	250.730	am	(P-16259/90; A-5328)		
1480.520	am	(P-1429/90; A-7081)	250.740	am	(P-16259/90; A-5328)		
1480.530	am	(P-1429/90; A-7081)	250.750	am	(P-16259/90; A-5328)		
1480.540	am	(P-1429/90; A-7081)	250.760	am	(P-16259/90; A-5328)		
1480.550	am	(P-1429/90; A-7081)	250.770	am	(P-16259/90; A-5328)		
1480.560	am	(P-1429/90; A-7081)	250.780	am	(P-16259/90; A-5328)		
1480.570	am	(P-1429/90; A-7081)	250.790	am	(P-16259/90; A-5328)		
1480.580	am	(P-1429/90; A-7081)	250.800	am	(P-16259/90; A-5328)		
1480.590	am	(P-1429/90; A-7081)	250.810	am	(P-16259/90; A-5328)		
1480.600	am	(P-1429/90; A-7081)	250.820	am	(P-16259/90; A-5328)		
1480.610	am	(P-1429/90; A-7081)	250.830	am	(P-16259/90; A-5328)		
1480.620	am	(P-1429/90; A-7081)	250.840	am	(P-16259/90; A-5328)		
1480.630	am	(P-1429/90; A-7081)	250.850	am	(P-16259/90; A-5328)		
1480.640	am	(P-1429/90; A-7081)	250.860	am	(P-16259/90; A-5328)		
1480.650	am	(P-1429/90; A-7081)	250.870	am	(P-16259/90; A-5328)		
1480.660	am	(P-1429/90; A-7081)	250.880	am	(P-16259/90; A-5328)		
1480.670	am	(P-1429/90; A-7081)	250.890	am	(P-16259/90; A-5328)		
1480.680	am	(P-1429/90; A-7081)	250.900	am	(P-16259/90; A-5328)		
1480.690	am	(P-1429/90; A-7081)	250.910	am	(P-16259/90; A-5328)		
1480.700	am	(P-1429/90; A-7081)	250.920	am	(P-16259/90; A-5328)		
1480.710	am	(P-1429/90; A-7081)	250.930	am	(P-16259/90; A-5328)		
1480.720	am	(P-1429/90; A-7081)	250.940	am	(P-16259/90; A-5328)		
1480.730	am	(P-1429/90; A-7081)	250.950	am	(P-16259/90; A-5328)		
1480.740	am	(P-1429/90; A-7081)	250.960	am	(P-16259/90; A-5328)		
1480.750	am	(P-1429/90; A-7081)	250.970	am	(P-16259/90; A-5328)		
1480.760	am	(P-1429/90; A-7081)	250.980	am	(P-16259/90; A-5328)		
1480.770	am	(P-1429/90; A-7081)	250.990	am	(P-16259/90; A-5328)		
1480.780	am	(P-1429/90; A-7081)	251.000	am	(P-16259/90; A-5328)		
1480.790	am	(P-1429/90; A-7081)	251.010	am	(P-16259/90; A-5328)		
1480.800	am	(P-1429/90; A-7081)	251.020	am	(P-16259/90; A-5328)		
1480.810	am	(P-1429/90; A-7081)	251.030	am	(P-16259/90; A-5328)		
1480.820	am	(P-1429/90; A-7081)	251.040	am	(P-16259/90; A-5328)		
1480.830	am	(P-1429/90; A-7081)	251.050	am	(P-16259/90; A-5328)		
1480.840	am	(P-1429/90; A-7081)	251.060	am	(P-16259/90; A-5328)		
1480.850	am	(P-1429/90; A-7081)	251.070	am	(P-16259/90; A-5328)		
1480.860	am	(P-1429/90; A-7081)	251.080	am	(P-16259/90; A-5328)		
1480.870	am	(P-1429/90; A-7081)	251.090	am	(P-16259/90; A-5328)		
1480.880	am	(P-1429/90; A-7081)	251.100	am	(P-16259/90; A-5328)		
1480.890	am	(P-1429/90; A-7081)	251.110	am	(P-16259/90; A-5328)		
1480.900	am	(P-1429/90; A-7081)	251.120	am	(P-16259/90; A-5328)		
1480.910	am	(P-1429/90; A-7081)	251.130	am	(P-16259/90; A-5328)		
1480.920	am	(P-1429/90; A-7081)	251.140	am	(P-16259/90; A-5328)		
1480.930	am	(P-1429/90; A-7081)	251.150	am	(P-16259/90; A-5328)		
1480.940	am	(P-1429/90; A-7081)	251.160	am	(P-16259/90; A-5328)		
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250.2450	am	590.20	n
300.120	am	590.20	n
300.330	am	590.30	n
300.620	am	590.30	n
300.1010	am	590.40	n
300.3220	am	590.40	n
300.3240	am	590.50	n
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330.330	am	590.110	n
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350.3220	am	590.220	n
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350.3260	am	590.240	n
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350.3780	am	590.410	n
350.3810	am	590.420	n
350.3880	am	590.430	n
350.3900	am	590.440	n
350.3940	am	590.450	n
350.4010	am	590.460	n
350.4030	am	590.470	n
350.4050	am	590.480	n
350.4070	am	590.490	n
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350.4150	am	590.530	n
350.4170	am	590.540	n
350.4190	am	590.550	n
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350.5130	am	590.1020	n
350.5150	am	590.1030	n
350.5170	am	590.1040	n
350.5190	am	590.1050	n
350.5210	am	590.1060	n
350.5230	am	590.1070	n
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350.5350	am	590.1130	n
350.5370	am	590.1140	n
350.5390	am	590.1150	n
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350.5630	am	590.1270	n
350.5650	am	590.1280	n
350.5670	am	590.1290	n
350.5690	am	590.1300	n
350.5710	am	590.1310	n
350.5730	am	590.1320	n
350.5750	am	590.1330	n
350.5770	am	590.1340	n
350.5790	am	590.1350	n
350.5810	am	590.1360	n
350.5830	am	590.1370	n
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350.5970	am	590.1440	n
350.5990	am	590.1450	n
350.6010	am	590.1460	n
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350.6170	am	590.1540	n
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350.6290	am	590.1600	n
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350.6670	am	590.1790	n
350.6690	am	590.1800	n
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350.6890	am	590.1900	n
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350.7010	am	590.1960	n
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350.7050	am	590.1980	n
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350.7110	am	590.2010	n
350.7130	am	590.2020	n
350.7150	am	590.2030	n
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350.7190	am	590.2050	n
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350.7230	am	590.2070	n
350.7250	am	590.2080	n
350.7270	am	590.2090	n
350.7290	am	590.2100	n
350.7310	am	590.2110	n
350.7330	am	590.2120	n
350.7350	am	590.2130	n
350.7370	am	590.2140	n
350.7390	am	590.2150	n
350.7410	am	590.2160	n
350.7430	am	590.2170	n
350.7450	am	590.2180	n
350.7470	am	590.2190	n
350.7490	am	590.2200	n
350.7510	am	590.2210	n
350.7530	am	590.2220	n
350.7550	am	590.2230	n
350.7570	am	590.2240	n
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350.7670	am	590.2290	n
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350.8070	am	590.2490	n
350.8090	am	590.2500	n
350.8110	am	590.2510	n
350.8130	am	590.2520	n
350.8150	am	590.2530	n
350.8170	am	590.2540	n
350.8190	am	590.2550	n
350.8210	am	590.2560	n
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350.9030	am	590.2970	n
350.9050	am	590.2980	n
350.9070	am	590.2990	n
350.9090	am	590.3000	n
350.9110	am	590.3010	n
350.9130	am	590.3020	n
350.9150	am	590.3030	n
350.9170	am	590.3040	n
350.9190	am	590.3050	n
350.9210	am	590.3060	n
350.9230	am	590.3070	n
350.9250	am	590.3080	n
350.9270	am	590.3090	n
350.9290	am	590.3100	n

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790.3220	am	(P-18457/90; A-6566)	790.6610	am	(P-11070; E-11194)	2030.530	n	(P-9083)
790.3308	n	(P-3417; A-11791) (E-3537)	790.6875	am	(P-3417; A-11791) (E-3537)	2030.540	n	(P-9083)
790.3315	am	(P-11070; E-11194)	790.6960	am	(P-11070; E-11194)	2030.550	n	(P-9083)
790.3335	am	(P-3417; A-11791) (E-3537)	790.7120	am	(P-3417; A-11791) (E-3537)	2030.610	n	(P-9153)
790.3340	am	(P-18457/90; A-6566)	790.7160	am	(P-18457/90; A-6566)	2030.610	n	(P-9083)
790.3350	am	(P-11070; E-11194)	790.7221	n	(P-3417; A-11791) (E-3537)	2030.620	r	(P-9153)
790.3350	am	(P-18457/90; A-6566)	790.7245	n	(P-3417; A-11791) (E-3537)	2030.620	n	(P-9083)
790.3420	am	(P-11070; E-11194)	790.7280	am	(P-3417; A-11791) (E-3537)	2030.630	r	(P-9153)
790.3420	n	(P-3417; A-11791) (E-3537)	790.7278	am	(P-18457/90; A-6566)	2030.640	r	(P-9153)
790.3540	am	(P-3417; A-11791) (E-3537)	790.7280	am	(P-3417; A-11791) (E-3537)	2030.710	r	(P-9153)
790.3620	am	(P-11070; E-11194)	790.7280	am	(P-11070; E-11194)	2030.720	r	(P-9153)
790.3720	am	(P-11070; E-11194)	790.7294	r	(P-11070; E-11194)	2030.720	n	(P-9083)
790.3907	am	(P-11070; E-11194)	790.7340	am	(P-11070; E-11194)	2030.730	n	(P-9083)
790.3910	am	(P-11070; E-11194)	790.7380	am	(P-11070; E-11194)	2030.740	r	(P-9153)
790.3914	am	(P-18457/90; A-6566)	790.7740	am	(P-11070; E-11194)	2030.740	n	(P-9083)
790.3940	am	(P-3417; A-11791) (E-3537)	790.7820	am	(P-3417; A-11791) (E-3537)	2030.750	r	(P-9153)
790.3945	am	(P-11070; E-11194)	790.7828	am	(P-11070; E-11194)	2030.750	n	(P-9083)
790.4060	am	(P-3417; A-11791) (E-3537)	790.8015	am	(P-3417; A-11791) (E-3537)	2030.760	n	(P-9153)
790.4140	am	(P-11070; E-11194)	790.8020	am	(P-18457/90; A-6566)	2030.760	n	(P-9083)
790.4384	am	(P-18457/90; A-6566)	790.8106	am	(P-3417; A-11791) (E-3537)	2030.810	r	(P-9153)
790.4385	n	(P-11070; E-11194)	790.8140	am	(P-11070; E-11194)	2030.810	n	(P-9083)
790.4420	am	(P-3417; A-11791) (E-3537)	790.8290	am	(P-11070; E-11194)	2030.820	r	(P-9153)
790.4495	n	(P-3417; A-11791) (E-3537)	790.8420	am	(P-3417; A-11791) (E-3537)	2030.820	n	(P-9083)
790.4580	am	(P-3417; A-11791) (E-3537)	790.8500	am	(P-11070; E-11194)	2030.830	n	(P-9083)
790.4660	am	(P-3417; A-11791) (E-3537)	790.8580	am	(P-3417; A-11791) (E-3537)	2030.840	n	(P-9083)
790.4667	am	(P-11070; E-11194)	790.8620	am	(P-3417; A-11791) (E-3537)	2030.850	n	(P-9083)
790.4720	am	(P-18457/90; A-6566)	790.8710	am	(P-3417; A-11791) (E-3537)	2030.910	r	(P-9153)
790.4725	am	(P-11070; E-11194)	790.9048	am	(P-11070; E-11194)	2030.910	n	(P-9083)
790.4728	am	(P-18457/90; A-6566)	790.9056	am	(P-3417; A-11791) (E-3537)	2030.920	r	(P-9153)
790.4740	am	(P-3417; A-11791) (E-3537)	790.9084	am	(P-11070; E-11194)	2030.930	r	(P-9153)
790.4940	am	(P-11070; E-11194)	790.9220	am	(P-11070; E-11194)	2030.940	r	(P-9153)
790.5030	n	(P-18457/90; A-6566)	790.9320	r	(P-3417; A-11791) (E-3537)	2030.950	r	(P-9153)
790.5220	am	(P-3417; A-11791) (E-3537)	790.9420	am	(P-11070; E-11194)	2030.960	r	(P-9153)
790.5300	am	(P-18457/90; A-6566)	790.9460	am	(P-3417; A-11791) (E-3537)	2030.970	r	(P-9153)
790.5312	am	(P-3417; A-11791) (E-3537)	790.9500	am	(P-3417; A-11791) (E-3537)	2030.980	r	(P-9153)
790.5320	am	(P-18457/90; A-6566)	895.10	am	(P-5005)	2030.1010	r	(P-9153)
790.5420	am	(P-3417; A-11791) (E-3537)	895.20	am	(P-5005)	2030.1010	n	(P-9083)
790.5483	am	(P-3417; A-11791) (E-3537)	895.30	am	(P-5005)	2030.1020	r	(P-9153)
790.5540	am	(P-11070; E-11194)	895.40	am	(P-5005)	2030.1030	r	(P-9153)
790.5660	am	(P-3417; A-11791) (E-3537)	895.50	am	(P-5005)	2030.1040	r	(P-9153)
790.5740	am	(P-11070; E-11194)	920.10	am	(P-6460)	2030.1040	n	(P-9083)
790.5792	am	(P-11070; E-11194)	920.15	am	(P-6460)	2030.1050	n	(P-9083)
790.5820	am	(P-3417; A-11791) (E-3537)	920.20	am	(P-6460)	2030.1060	n	(P-9083)
790.5830	am	(P-3417; A-11791) (E-3537)	920.25	am	(P-6460)	2030.1070	n	(P-9083)
790.5840	am	(P-11070; E-11194)	920.30	am	(P-6460)	2030.1080	n	(P-9083)
790.5900	am	(P-11070; E-11194)	920.35	am	(P-6460)	2030.1090	n	(P-9083)
790.5924	am	(P-3417; A-11791) (E-3537)	920.40	am	(P-6460)	2030.1100	r	(P-9153)
790.5940	am	(P-3417; A-11791) (E-3537)	920.45	am	(P-6460)	2030.1110	r	(P-9153)
790.6020	am	(P-11070; E-11194)	920.50	am	(P-6460)	2030.1120	r	(P-9153)
790.6180	am	(P-11070; E-11194)	920.55	am	(P-6460)	2030.1120	n	(P-9083)
790.6300	am	(P-3417; A-11791) (E-3537)	920.60	am	(P-6460)	2030.1130	r	(P-9153)
790.6430	n	(P-18457/90; A-6566)	920.65	am	(P-6460)	2030.1140	r	(P-9153)
790.6435	am	(P-11070; E-11194)	920.70	am	(P-6460)	2030.1140	n	(P-9083)
790.6500	am	(P-11070; E-11194)	920.75	am	(P-6460)	2030.1150	n	(P-9083)
790.6505	n	(P-3417; A-11791) (E-3537)	920.80	am	(P-6460)	2030.1160	r	(P-9153)
			920.85	n	(P-6460)	2030.1205	n	(P-9083)
			920.90	n	(P-6460)	2030.1210	r	(P-9153)

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925.20	am	(P-6498)	2030.620	n	(P-9083)
925.30	am	(P-6498)	2030.630	r	(P-9153)
925.40	am	(P-6498)	2030.640	r	(P-9153)
925.50	am	(P-6498)	2030.710	r	(P-9153)
925.II. A	am	(P-6498)	2030.710	n	(P-9083)
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2030.20	n	(P-9153)	2030.740	r	(P-9153)
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2030.30	n	(P-9153)	2030.750	r	(P-9153)
2030.30	n	(P-9083)	2030.750	n	(P-9083)
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2030.40	n	(P-9083)	2030.760	n	(P-9083)
2030.50	r	(P-9153)	2030.810	r	(P-9153)
2030.100	n	(P-9083)	2030.810	n	(P-9083)
2030.105	n	(P-9083)	2030.820	r	(P-9153)
2030.107	n	(P-9083)	2030.820	n	(P-9083)
2030.110	n	(P-9153)	2030.830	n	(P-9083)
2030.110	n	(P-9083)	2030.840	n	(P-9083)
2030.115	n	(P-9083)	2030.850	n	(P-9083)
2030.120	r	(P-9153)	2030.910	r	(P-9153)
2030.120	n	(P-9083)	2030.910	n	(P-9083)
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2030.140	n	(P-9083)	2030.940	r	(P-9153)
2030.150	n	(P-9083)	2030.950	r	(P-9153)
2030.160	n	(P-9083)	2030.960	r	(P-9153)
2030.210	n	(P-9153)	2030.970	r	(P-9153)
2030.210	n	(P-9083)	2030.980	r	(P-9153)
2030.220	n	(P-9153)	2030.1010	r	(P-9153)
2030.220	n	(P-9083)	2030.1010	n	(P-9083)
2030.230	n	(P-9153)	2030.1020	r	(P-9153)
2030.230	n	(P-9083)	2030.1020	n	(P-9083)
2030.310	r	(P-9153)	2030.1030	r	(P-9153)
2030.310	n	(P-9083)	2030.1030	n	(P-9083)
2030.320	n	(P-9153)	2030.1040	r	(P-9153)
2030.320	n	(P-9083)	2030.1040	n	(P-9083)
2030.330	n	(P-9153)	2030.1050	r	(P-9153)
2030.330	n	(P-9083)	2030.1050	n	(P-9083)
2030.340	r	(P-9153)	2030.1060	n	(P-9083)
2030.340	n	(P-9083)	2030.1070	n	(P-9083)
2030.350	n	(P-9153)	2030.1080	n	(P-9083)
2030.350	n	(P-9083)	2030.1090	n	(P-9083)
2030.360	n	(P-9153)	2030.1100	r	(P-9153)
2030.360	n	(P-9083)	2030.1110	r	(P-9153)
2030.410	n	(P-9153)	2030.1120	r	(P-9153)
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2030.420	n	(P-9153)	2030.1130	r	(P-9153)
2030.420	n	(P-9083)	2030.1130	n	(P-9083)
2030.430	r	(P-9153)	2030.1140	r	(P-9153)
2030.430	n	(P-9083)	2030.1140	n	(P-9083)
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2030.1310	n	310.340	am
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2030.1350	n	310.340	am
2031.10	r		
2032.10	n	310.340	am
2032.15	r		
2032.20	n	310.340	am
2032.25	r		
2032.30	n	310.340	am
2032.35	r		
2032.40	n	310.340	am
2032.45	r		
2032.50	n	310.340	am
2032.55	r		
2032.60	n	310.340	am
2032.65	r		
2032.70	n	310.340	am
2032.75	r		
2032.80	n	310.340	am
2032.85	r		
2032.90	n	310.340	am
2032.95	r		
2033.00	n	310.340	am
2033.05	r		
2033.10	n	310.340	am
2033.15	r		
2033.20	n	310.340	am
2033.25	r		
2033.30	n	310.340	am
2033.35	r		
2033.40	n	310.340	am
2033.45	r		
2033.50	n	310.340	am
2033.55	r		
2033.60	n	310.340	am
2033.65	r		
2033.70	n	310.340	am
2033.75	r		
2033.80	n	310.340	am
2033.85	r		
2033.90	n	310.340	am
2033.95	r		
2034.00	n	310.340	am
2034.05	r		
2034.10	n	310.340	am
2034.15	r		
2034.20	n	310.340	am
2034.25	r		
2034.30	n	310.340	am
2034.35	r		
2034.40	n	310.340	am
2034.45	r		
2034.50	n	310.340	am
2034.55	r		
2034.60	n	310.340	am
2034.65	r		
2034.70	n	310.340	am
2034.75	r		
2034.80	n	310.340	am
2034.85	r		
2034.90	n	310.340	am
2034.95	r		
2035.00	n	310.340	am
2035.05	r		
2035.10	n	310.340	am
2035.15	r		
2035.20	n	310.340	am
2035.25	r		
2035.30	n	310.340	am
2035.35	r		
2035.40	n	310.340	am
2035.45	r		
2035.50	n	310.340	am
2035.55	r		
2035.60	n	310.340	am
2035.65	r		
2035.70	n	310.340	am
2035.75	r		
2035.80	n	310.340	am
2035.85	r		
2035.90	n	310.340	am
2035.95	r		
2036.00	n	310.340	am
2036.05	r		
2036.10	n	310.340	am
2036.15	r		
2036.20	n	310.340	am
2036.25	r		
2036.30	n	310.340	am
2036.35	r		
2036.40	n	310.340	am
2036.45	r		
2036.50	n	310.340	am
2036.55	r		
2036.60	n	310.340	am
2036.65	r		
2036.70	n	310.340	am
2036.75	r		
2036.80	n	310.340	am
2036.85	r		
2036.90	n	310.340	am
2036.95	r		
2037.00	n	310.340	am
2037.05	r		
2037.10	n	310.340	am
2037.15	r		
2037.20	n	310.340	am
2037.25	r		
2037.30	n	310.340	am
2037.35	r		
2037.40	n	310.340	am
2037.45	r		
2037.50	n	310.340	am
2037.55	r		
2037.60	n	310.340	am
2037.65	r		
2037.70	n	310.340	am
2037.75	r		
2037.80	n	310.340	am
2037.85	r		
2037.90	n	310.340	am
2037.95	r		
2038.00	n	310.340	am
2038.05	r		
2038.10	n	310.340	am
2038.15	r		
2038.20	n	310.340	am
2038.25	r		
2038.30	n	310.340	am
2038.35	r		
2038.40	n	310.340	am
2038.45	r		
2038.50	n	310.340	am
2038.55	r		
2038.60	n	310.340	am
2038.65	r		
2038.70	n	310.340	am
2038.75	r		
2038.80	n	310.340	am
2038.85	r		
2038.90	n	310.340	am
2038.95	r		
2039.00	n	310.340	am
2039.05	r		
2039.10	n	310.340	am
2039.15	r		
2039.20	n	310.340	am
2039.25	r		
2039.30	n	310.340	am
2039.35	r		
2039.40	n	310.340	am
2039.45	r		
2039.50	n	310.340	am
2039.55	r		
2039.60	n	310.340	am
2039.65	r		
2039.70	n	310.340	am
2039.75	r		
2039.80	n	310.340	am
2039.85	r		
2039.90	n	310.340	am
2039.95	r		
2040.00	n	310.340	am
2040.05	r		
2040.10	n	310.340	am
2040.15	r		
2040.20	n	310.340	am
2040.25	r		
2040.30	n	310.340	am
2040.35	r		
2040.40	n	310.340	am
2040.45	r		
2040.50	n	310.340	am
2040.55	r		
2040.60	n	310.340	am
2040.65	r		
2040.70	n	310.340	am
2040.75	r		
2040.80	n	310.340	am
2040.85	r		
2040.90	n	310.340	am
2040.95	r		
2041.00	n	310.340	am
2041.05	r		
2041.10	n	310.340	am
2041.15	r		
2041.20	n	310.340	am
2041.25	r		
2041.30	n	310.340	am
2041.35	r		
2041.40	n	310.340	am
2041.45	r		
2041.50	n	310.340	am
2041.55	r		
2041.60	n	310.340	am
2041.65	r		
2041.70	n	310.340	am
2041.75	r		
2041.80	n	310.340	am
2041.85	r		
2041.90	n	310.340	am
2041.95	r		
2042.00	n	310.340	am
2042.05	r		
2042.10	n	310.340	am
2042.15	r		
2042.20	n	310.340	am
2042.25	r		
2042.30	n	310.340	am
2042.35	r		
2042.40	n	310.340	am
2042.45	r		
2042.50	n	310.340	am
2042.55	r		
2042.60	n	310.340	am
2042.65	r		
2042.70	n	310.340	am
2042.75	r		
2042.80	n	310.340	am
2042.85	r		
2042.90	n	310.340	am
2042.95	r		
2043.00	n	310.340	am
2043.05	r		
2043.10	n	310.340	am
2043.15	r		
2043.20	n	310.340	am
2043.25	r		
2043.30	n	310.340	am
2043.35	r		
2043.40	n	310.340	am
2043.45	r		
2043.50	n	310.340	am
2043.55	r		
2043.60	n	310.340	am
2043.65	r		
2043.70	n	310.340	am
2043.75	r		
2043.80	n	310.340	am
2043.85	r		
2043.90	n	310.340	am
2043.95	r		
2044.00	n	310.340	am
2044.05	r		
2044.10	n	310.340	am
2044.15	r		
2044.20	n	310.340	am
2044.25	r		
2044.30	n	310.340	am
2044.35	r		
2044.40	n	310.340	am
2044.45	r		
2044.50	n	310.340	am
2044.55	r		
2044.60	n	310.340	am
2044.65	r		
2044.70	n	310.340	am
2044.75	r		
2044.80	n	310.340	am
2044.85	r		
2044.90	n	310.340	am
2044.95	r		
2045.00	n	310.340	am
2045.05	r		
2045.10	n	310.340	am
2045.15	r		
2045.20	n	310.340	am
2045.25	r		
2045.30	n	310.340	am
2045.35	r		
2045.40	n	310.340	am
2045.45	r		
2045.50	n	310.340	am
2045.55	r		
2045.60	n	310.340	am
2045.65	r		
2045.70	n	310.340	am
2045.75	r		
2045.80	n	310.340	am
2045.85	r		
2045.90	n	310.340	am
2045.95	r		
2046.00	n	310.340	am
2046.05	r		
2046.10	n	310.340	am
2046.15	r		
2046.20	n	310.340	am
2046.25	r		
2046.30	n	310.340	am
2046.35	r		
2046.40	n	310.340	am
2046.45	r		
2046.50	n	310.340	am
2046.55	r		
2046.60	n	310.340	am
2046.65	r		
2046.70	n	310.340	am
2046.75	r		
2046.80	n	310.340	am
2046.85	r		
2046.90	n	310.340	am
2046.95	r		
2047.00	n	310.340	am
2047.05	r		
2047.10	n	310.340	am
2047.15	r		
2047.20	n	310.340	am
2047.25	r		
2047.30	n	310.340	am
2047.35	r		
2047.40	n	310.340	am
2047.45	r		
2047.50	n	310.340	am
2047.55	r		
2047.60	n	310.340	am
2047.65	r		
2047.70	n	310.340	am
2047.75	r		
2047.80	n	310.340	am
2047.85	r		
2047.90	n	310.340	am
2047.95	r		

TITLE 83 (CONT'D)		TITLE 86 (CONT'D)	
730.609	(P-1650)	130.325	(P-2019490; A-6621)
730.610	(P-1650)	130.330	(P-2019490; A-6621)
730.611	(P-1650)	130.335	(P-2019490; A-6621)
730.700	(P-1627)	130.350	(P-2019490; A-6621)
730.701	(P-1650)	130.401	(P-2019490; A-6621)
730.702	(P-1650)	130.405	(P-2019490; A-6621)
730.703	(P-1650)	130.415	(P-2019490; A-6621)
730.705	(P-1627)	130.425	(P-2019490; A-6621)
730.710	(P-1627)	130.430	(P-2019490; A-6621)
730.715	(P-1627)	130.435	(P-2019490; A-6621)
730.720	(P-1627)	130.440	(P-2019490; A-6621)
730.725	(P-1627)	130.501	(P-2019490; A-6621)
730.801	(P-1650)	130.502	(P-2019490; A-6621)
730.802	(P-1650)	130.510	(P-2019490; A-6621)
730.803	(P-1650)	130.530	(P-2019490; A-6621)
730.804	(P-1650)	130.535	(P-2019490; A-6621)
730.805	(P-1650)	130.540	(P-2019490; A-6621)
755.10	(P-1910990; A-5624)	130.605	(P-2019490; A-6621)
755.15	(P-1910990; A-5624)	130.701	(P-2019490; A-6621)
755.20	(P-1910990; A-5624)	130.901	(P-5021) (P-2019490; A-6621)
755.105	(P-1910990; A-5624)	130.905	(P-2019490; A-6621)
755.110	(P-1910990; A-5624)	130.910	(P-2019490; A-6621)
755.115	(P-1910990; A-5624)	130.1401	(P-2019490; A-6621)
755.200	(P-1910990; A-5624)	130.1405	(P-2019490; A-6621)
755.210	(P-1910990; A-5624)	130.1410	(P-2019490; A-6621)
755.405	(P-1910990; A-5624)	130.1415	(P-2019490; A-6621)
756.125	(P-1867590; A-5618)	130.1420	(P-2019490; A-6621)
756.220	(P-1867590; A-5618)	130.1501	(P-2019490; A-6621)
757.	(RC-5111)	130.1505	(P-2019490; A-6621)
757.10	(P-4803; A-11926) (E-5082)	130.1920	(P-2019490; A-6621)
757.15	(P-4803; A-11926) (E-5082)	130.1930	(P-2019490; A-6621)
757.100	(P-4803; A-11926) (E-5082)	130.1950	(P-2019490; A-6621)
757.105	(P-4803; A-11926) (E-5082)	130.1951	(P-2019490; A-6621) (P-8167)
757.115	(P-4803; A-11926) (E-5082)	130.1955	(P-2019490; A-6621)
757.120	(P-4803; A-11926) (E-5082)	130.1970	(P-2019490; A-6621)
757.200	(P-4803; A-11926) (E-5082)	130.1980	(P-2019490; A-6621)
757.205	(P-4803; A-11926) (E-5082)	130.1990	(P-2019490; A-6621)
757.300	(P-4803; A-11926) (E-5082)	130.2005	(P-2019490; A-6621)
757.310	(P-4803; A-11926) (E-5082)	130.2007	(P-2019490; A-6621)
757.320	(P-4803; A-11926) (E-5082)	130.2008	(P-2019490; A-6621)
757.330	(P-4803; A-11926) (E-5082)	130.2010	(P-2019490; A-6621)
757.340	(P-4803; A-11926) (E-5082)	130.2035	(P-2019490; A-6621)
757.350	(P-4803; A-11926) (E-5082)	130.2040	(P-2019490; A-6621)
757.400	(P-4803; A-11926) (E-5082)	130.2055	(P-2019490; A-6621)
757.410	(P-4803; A-11926) (E-5082)	130.2060	(P-2019490; A-6621)
757.Ex.A	(P-4803; A-11926) (E-5082)	130.2075	(P-2019490; A-6621)
757.Ex.B	(P-4803; A-11926) (E-5082)	130.2080	(P-2019490; A-6621)
757.Ex.C	(P-4803; A-11926) (E-5082)	130.2085	(P-2019490; A-6621)
757.Ex.D	(P-4803; A-11926) (E-5082)	130.2090	(P-2019490; A-6621)
780.5	(P-1310090; A-5062)	130.2105	(P-2019490; A-6621)
780.10	(P-1310090; A-5062)	130.2115	(P-2019490; A-6621)
780.20	(P-1310090; A-5062)	130.2140	(P-2019490; A-6621)
780.30	(P-1310090; A-5062)	130.2145	(P-2019490; A-6621; O-6792)
		130.2150	(P-2019490; A-6621)
		130.2165	(P-2019490; A-6621)
		130.11. A	(P-2019490; A-6621)
110.160	(P-1432190; A-3522)	140.301	(P-2019490; A-6621)
130.160	(P-2019490; A-6621)	140.310	(P-2019490; A-6621)
130.120	(P-2019490; A-6621; O-6792)	150.101	(P-1980490; A-5861)
130.210	(P-2019490; A-6621)	150.105	(P-1980490; A-5861)
130.305	(P-2019490; A-6621)	150.135	(P-1980490; A-5861)
130.320	(P-2019490; A-6621)	150.200	(P-1980490; A-5861)
130.321	(P-2019490; A-6621)	150.201	(P-1980490; A-5861)

340.101	(P-1980490; A-5861)	am	(P-1977490; A-5829)
340.105	(P-1980490; A-5861)	am	(P-1977490; A-5829)
340.110	(P-1980490; A-5861)	am	(P-1977490; A-5829)
370.101	(P-1980490; A-5861)	am	(P-1973090; A-5805)
370.105	(P-1980490; A-5861)	am	(P-1973090; A-5805)
370.110	(P-1980490; A-5861)	am	(P-1973090; A-5805)
370.115	(P-1980490; A-5861)	am	(P-1973090; A-5805)
370.120	(P-1980490; A-5861)	am	(P-1973090; A-5805)
380.101	(P-1980490; A-5861)	am	(P-1974090; A-6299)
380.110	(P-1978890; A-5845)	am	(P-1974090; A-6299)
380.115	(P-1978890; A-5845)	am	(P-1974090; A-6299)
380.120	(P-1978890; A-5845)	am	(P-1974090; A-6299)
390.101	(P-1978890; A-5845)	am	(P-1974690; A-5815)
390.105	(P-1978890; A-5845)	am	(P-1974690; A-5815)
390.110	(P-1978890; A-5845)	am	(P-1974690; A-5815)
420.50	(P-1475490; A-3518)	am	(P-1576290; A-3498)
420.90	(P-1970690; A-5783)	am	(P-1576290; A-3498)
430.100	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.110	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.120	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.130	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.160	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.180	(P-1970690; A-5783)	am	(P-1724; A-10944)
430.190	(P-1971790; A-5796)	am	(P-1724; A-10944)
430.200	(P-1971790; A-5796)	am	(P-1724; A-10944)
432.100	(P-1971790; A-5796)	am	(P-1777; A-10993)
432.110	(P-1971790; A-5796)	am	(P-1777; A-10993)
432.120	(P-1971790; A-5796)	am	(P-1777; A-10993)
432.160	(P-1971790; A-5796)	am	(P-1777; A-10993)
435.100	(P-1971790; A-5796)	am	(P-1748; A-10966)
435.110	(P-1972590; A-5781)	am	(P-1748; A-10966)
435.120	(P-1972590; A-5781)	am	(P-1748; A-10966)
435.130	(P-1972590; A-5781)	am	(P-1748; A-10966)
435.140	(P-1972590; A-5781)	am	(P-1748; A-10966)
435.160	(P-1972590; A-5781)	am	(P-1748; A-10966)
435.170	(P-1525190; A-3507)	am	(P-1748; A-10966)
435.180	(P-1525190; A-3507)	am	(P-1748; A-10966)
435.190	(P-1525190; A-3507)	am	(P-1748; A-10966)
435.200	(P-1525190; A-3507)	am	(P-1748; A-10966)
435.210	(P-1525190; A-3507)	am	(P-1748; A-10966)
435.220	(P-1525190; A-3507)	am	(P-1748; A-10966)
440.90	(P-1525190; A-3507)	am	(P-1342990; A-1177)
450.10	(P-1790890; A-6290)	am	(P-1343490; A-122)
500.102	(P-1790890; A-6290)	n	(P-1789790; A-6305)
500.103	(P-1790890; A-6290)	n	(P-1789790; A-6305)
500.105	(P-1790890; A-6290)	am	(P-1789790; A-6305)
500.115	(P-1790890; A-6290)	am	(P-1789790; A-6305)
500.150	(P-1790890; A-6290)	r	(P-1789790; A-6305)
500.155	(P-1790890; A-6290)	am	(P-1789790; A-6305)
500.175	(P-1975190; A-5820)	am	(P-1789790; A-6305)
500.195	(P-1975190; A-5820)	am	(P-1789790; A-6305)
500.201	(P-1975190; A-5820)	n	(P-1789790; A-6305)
500.220	(P-1975190; A-5820)	n	(P-1789790; A-6305)
600.101	(P-1975690; A-6316)	r	(P-1819590; A-6284)
600.105	(P-1975690; A-6316)	r	(P-1819590; A-6284)
600.115	(P-1975690; A-6316)	r	(P-1819590; A-6284)
600.120	(P-1975690; A-6316)	r	(P-1819590; A-6284)
600.125	(P-1975690; A-6316)	r	(P-1819590; A-6284)
600.135	(P-1976790; A-5822)	r	(P-1819590; A-6284)
600.135	(P-1976790; A-5822)	r	(P-1819590; A-6284)
610.101	(P-1976790; A-5822)	r	(P-1819590; A-6284)
610.105	(P-1976790; A-5822)	r	(P-1819590; A-6284)

TITLE 92 (CONT'D)

530.830	n	(P-2940)
530.840	n	(P-2940)
530.900	n	(P-2940)
530.901	r	(P-3003)
530.902	r	(P-3003)
530.903	r	(P-3003)
530.904	r	(P-3003)
530.905	r	(P-3003)
530.906	r	(P-3003)
530.907	r	(P-3003)
530.908	r	(P-3003)
530.909	r	(P-3003)
530.11. A	n	(P-2940)
708.70	am	(P-8193)
720.10	am	(P-3426; A-9068)
1010.425	n	(P-4686; A-12782)
1010.426	n	(P-4686; A-12782)
1010.740	am	(P-4686; A-12782)
1030.88	am	(P-10589)
1040.42	am	(P-7891)
1070.100	n	(P-8797)
1270.200	n	(P-16170/90; A-10925)
1308.10	n	(P-8097)
1308.20	n	(P-8097)
1308.30	n	(P-8097)
1311.10	n	(P-4195)
1535.510	r	(P-18177/90; A-10920)

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530.120	r	(P-3003)
530.121	r	(P-3003)
530.122	r	(P-3003)
530.123	r	(P-3003)
530.130	n	(P-2940)
530.140	n	(P-2940)
530.150	n	(P-2940)
530.200	n	(P-2940)
530.201	r	(P-3003)
530.202	r	(P-3003)
530.203	r	(P-3003)
530.210	r	(P-2940)
530.220	n	(P-2940)
530.225	n	(P-2940)
530.230	n	(P-2940)
530.240	n	(P-2940)
530.250	n	(P-2940)
530.260	n	(P-2940)
530.270	n	(P-2940)
530.275	n	(P-2940)
530.280	n	(P-2940)
530.290	n	(P-2940)
530.300	n	(P-2940)
530.301	r	(P-3003)
530.302	r	(P-3003)
530.303	r	(P-3003)
530.310	n	(P-2940)
530.320	n	(P-2940)
530.330	n	(P-2940)
530.400	n	(P-2940)
530.401	r	(P-3003)
530.402	r	(P-3003)
530.403	r	(P-3003)
530.410	n	(P-2940)
530.420	n	(P-2940)
530.430	n	(P-2940)
530.440	n	(P-2940)
530.500	r	(P-2940)
530.501	r	(P-3003)
530.502	r	(P-3003)
530.503	r	(P-3003)
530.510	n	(P-2940)
530.520	n	(P-2940)
530.530	n	(P-2940)
530.600	n	(P-2940)
530.601	r	(P-3003)
530.602	r	(P-3003)
530.603	r	(P-3003)
530.610	n	(P-2940)
530.700	n	(P-2940)
530.701	r	(P-3003)
530.702	r	(P-3003)
530.710	n	(P-2940)
530.800	n	(P-2940)
530.801	r	(P-3003)
530.802	r	(P-3003)
530.803	r	(P-3003)
530.804	r	(P-3003)
530.810	n	(P-2940)
530.820	n	(P-2940)

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